CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Harbor improvements, Montreal, Que., government authorized loan, $12,000,000.

Bridge, Maryland, State Hy. Dept. plans 8 mi. bridge, $10,000,000.

Power development, St. John, N. B. Petitcictiac Tidal Power soon takes bids, $10,000,000.

Hotel and store, Malden, Mass., Syndicate care of J. S. Draper having preliminary plans prepared, $3,000,000.

Bank, Toronto, Ont., Canadian Bank of Commerce plans, $3,000,000.

Theatre, Kansas City, Mo., Dende & Besecke, archts. making plans, $2,000,000.

Sewers, Webster Grove, Mo., making preliminary plans, $2,000,000.

Bridge, Pittsburgh, Pa., Comrs. Allegheny Co. soon takes bids, $1,700,000.

Office, Durham, N. C., Five Points Building Co., Inc., making plans, $1,700,000.

Hotel, Sault Ste. Marie, Ont., Owner, care of C. E. Schley, archt. having plan prepared, $1,500,000.

Paving, Plemons-Hutchinson Co., Tex., election Apr. 16, $1,250,000.

Gymnasium and administration, Olivet, Mich., Olivet College plans, $1,000,000.

Hospital, Phila., Pa., Mt. Sinai Hospital having plans prepared, $1,000,000.

Bank and office, Beaumont, Tex., J. H. Crooker soon takes bids, $1,000,000.

School, Montreal, Que., Catholic School Comn, plans borrowing $1,000,000.

Apartment, Chicago, Ill., Granger & Bollenbacker, archts., takes bids after Apr. 15, $1,000,000.

Bids Desired

Apartment Hotel, Chicago, Ill., R. C. Harris taken bids, $1,500,000.

High School, Lansing, Mich., Apr. 18 by Bd. Educ. and J. N. Churchill, archt. $1,000,000.

Warehouse, Pittsburgh, Pa., Apr. 12 by Joseph Horne Co., $1,000,000.

Contracts

Bank, Davenport, Ia., Amer. Commercial & Savings Bank to Walsh Const. Co., $2,000,000.

Office, Sacramento, Calif., G. C. Sellon & Co., archt., to Lindgren-Sevinerton, Inc., $2,000,000.

Hotel, New York, N. Y., Paramount Hotel Corp., will build, $2,000,000.

Office, Louisville, Ky., F. G. Breslin to Platoff & Bush, 1st unit, $600,000. Total, $1,500,000.

Sanitarium, Battle Creek, Mich., Battle Creek Sanitarium, masonry work under supervision of M. J. Morehouse, archt., $1,500,000.

Hotel, Los Angeles, Calif., H. J. Tremain & Associates to Edwards, Wildey & Dixon, $1,500,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Apr. 16	Rock Island, Ill.	Apr. 14
Apr. 16	Milwaukee, Wis.	Apr. 14
Apr. 18	Syracuse, N. Y.	Apr. 7
Apr. 18	Windsor, Ont.	Apr. 14
Apr. 18	Chicago, Ill.	Apr. 14
Apr. 19	Quebec, Que.	Apr. 14
Apr. 20	Hamilton, Ont.	Apr. 14
Apr. 20	Detroit, Mich.	Apr. 14
Apr. 20	Odgensburg, N. J. Adv. Apr. 14.	Apr. 14
Apr. 20	Chicago, Ill.	Apr. 14
Apr. 20	Lewisville, Tex.	Apr. 14
Apr. 21	Phila., Pa.	Apr. 14
Apr. 25	Lesueur Center, Minn.	Apr. 14
Apr. 26	Chester, Pa.	Apr. 7
Apr. 29	Boston, Mass.	Apr. 14
May 3	St. Louis, Mo.	Apr. 7
May 3	Toronto, Ont.	Apr. 14
May 12	Hamilton, N. Y. Adv. Apr. 14.	Apr. 14
May 24	Saginaw, Mich. Adv. Apr. 14.	Apr. 14
June 1	Youngstown, O.	Mar. 17

Sewers

Apr. 15	Dayton, O.	Apr. 14
Apr. 15	Long Island City, N. Y.	Apr. 14
Apr. 18	Providence, R. I.	Apr. 14
Apr. 19	Ripon, Wis.	Apr. 14
Apr. 19	St. Louis, Mo.	Apr. 7
Apr. 19	Newark, N. J.	Apr. 14
Apr. 19	Tampa, Fla.	Apr. 14
Apr. 20	Brooklyn, N. Y.	Apr. 14
Apr. 20	Detroit, Mich.	Apr. 14
Apr. 21	Long Island City, N. Y.	Apr. 14
Apr. 22	Milbank, S. D.	Apr. 14
Apr. 22	New York, N. Y.	Apr. 14
Apr. 23	Longport, N. J. Adv. Apr. 7 and 14.	Apr. 7
Apr. 26	Wash., D. C.	Mar. 31
Apr. 26	Delaware-Maryland Adv. Apr. 7 and 14.	Apr. 7
Apr. 26	Wash., D. C.	Apr. 7
Apr. 29	Louisville, Ky.	Mar. 31
Apr. 29	Altoona, Pa.	Apr. 14
May 2	Birmingham, Ala.	Mar. 31
May 2	Springfield, Ill.	Mar. 31

Waste Disposal

Apr. 20	Baltimore, Md.	Apr. 14

Bridges

Apr. 15	Knox, Ind.	Mar. 24
Apr. 15	Campton, N. H.	Apr. 14
Apr. 18	Morgantown, W. Va.	Apr. 7
Apr. 19	Alma, Kan.	Apr. 7
Apr. 19	Mercer, Pa. Adv. Mar. 31 to Apr. 14.	Apr. 7
Apr. 20	Clinton, Ia.	Apr. 14
Apr. 20	St. Francois, Que.	Apr. 14
Apr. 20	Beaumont, Que.	Apr. 14
Apr. 22	Phila., Pa.	Apr. 14
Apr. 23	Dayton, O.	Mar. 31
Apr. 25	Pueblo, Colo.	Mar. 24
Apr. 25	Holliston, Calif.	Apr. 14
Apr. 25	Grenada, Miss.	Apr. 14
Apr. 26	Salisbury, Md. Adv. Apr. 14.	Apr. 14
Apr. 26	Hartford, Conn. Adv. Apr. 14.	Apr. 14
Apr. 27	New Rochelle, N. Y. Adv. Apr. 14.	Apr. 14
Apr. 27	Providence, R. I. Adv. Apr. 14.	Apr. 14
Apr. 28	Kentucky	Apr. 7
Apr. 29	Florida	Apr. 14
May 31	Toronto, Ont.	Apr. 14

Dam

May 9	Greenfield, Mass. Adv. Apr. 14.	Apr. 14

Railways

Apr. 21	Massachusetts	Apr. 14
Apr. 25	California	Apr. 14
Apr. 29	New York Adv. Apr. 14.	Apr. 14

Excavation, Drainage, Irrigation. Levees, River and Harbor

Apr. 19	New Westminster. B. C.	Apr. 7
Apr. 19	Northwood, Ia.	Apr. 14
Apr. 20	Amherst, Que.	Apr. 14
Apr. 22	New York, N. Y. Adv. Apr. 14.	Apr. 14
Apr. 25	Newport Beach, Calif.	Apr. 14
Apr. 26	Benson, Minn.	Apr. 7

Streets and Roads

Apr. 15	Canton, O.	Feb. 3
Apr. 15	Anderson, Ind.	Mar. 3
Apr. 15	Phila., Pa.	Mar. 10
Apr. 15	New Hampshire	Apr. 7
Apr. 15	Anderson, Ind.	Apr. 14
Apr. 15	Dayton, O.	Apr. 14
Apr. 15	New Hampshire	Apr. 14
Apr. 16	Warwick, R. I.	Apr. 7
Apr. 17	Anderson, Ind.	Mar. 3
Apr. 18	New Jersey	Mar. 31
Apr. 18	Kansas City, Kan.	Apr. 7
Apr. 18	White Plains, N. Y. Adv. Apr. 7 and 14.	Apr. 7
Apr. 18	Indianapolis. Ind.	Apr. 14
Apr. 18	Evansville, Ind.	Apr. 14
Apr. 18	New York, N. Y.	Apr. 14
Apr. 18	Birmingham, Mich.	Apr. 14
Apr. 18	Indianapolis, Ind.	Apr. 14
Apr. 18	Evansville, Ind.	Apr. 14
Apr. 18	Indiana	Apr. 14
Apr. 18	Brookline (br. Boston), Mass.	Apr. 14
Apr. 19	Ontario	Apr. 14
Apr. 19	Duluth, Minn.	Apr. 7
Apr. 19	Emerson, Neb.	Apr. 7
Apr. 19	Washington	Apr. 7
Apr. 19	St. Louis, Mo.	Mar. 31
Apr. 19	Antigo, Wis.	Apr. 14
Apr. 19	Worthington, Minn.	Apr. 14
Apr. 19	Clarion, Ia.	Apr. 14
Apr. 19	Long Island City, N. Y.	Apr. 14
Apr. 19	Rock Rapids, Ia.	Apr. 14
Apr. 19	Primghar, Ia.	Apr. 14
Apr. 19	Sioux City, Ia.	Apr. 14
Apr. 19	Clarion, Ia.	Apr. 14
Apr. 20	Birmingham, Ala.	Mar. 3
Apr. 20	Freehold, N. J. Adv. Apr. 7 and 14.	Apr. 7
Apr. 20	Meridian, Miss.	Apr. 14
Apr. 20	Trail, B. C.	Apr. 14
Apr. 20	Caughnawaga, Que.	Apr. 14
Apr. 20	Emsworth (mail Pittsburgh, Pa.	Apr. 14
Apr. 20	Niagara Falls, Ont.	Apr. 14
Apr. 20	St. Johns, Mich.	Apr. 14
Apr. 20	St. George, N. Y.	Apr. 14
Apr. 20	New York, N. Y.	Apr. 14
Apr. 20	Baltimore, Md.	Apr. 14
Apr. 20	Cherokee, Ia.	Apr. 14
Apr. 20	La Grange Park (La Grange P. O.), Ill.	Apr. 14
Apr. 20	Niagara Falls, Ont.	Apr. 14
Apr. 20	Mt. Clemens, Mich.	Apr. 14
Apr. 20	North Dakota	Apr. 14
Apr. 20	Valley City, N. D.	Apr. 14
Apr. 20	Massachusetts	Apr. 14
Apr. 21	Detroit, Mich.	Apr. 14
Apr. 21	New Brunswick, N. J.	Apr. 14
Apr. 21	Stanton, Neb.	Apr. 7
Apr. 21	Akron, O.	Mar. 31
Apr. 21	Pennsylvania Adv. Apr. 7 and 14.	Apr. 7
Apr. 21	Harrisburg, Pa. Adv. Apr. 7 and 14.	Apr. 7
Apr. 21	Grand Haven, Mich.	Apr. 14
Apr. 21	Cresco, Ia.	Apr. 14
Apr. 21	Long Island City, N. Y.	Apr. 14
Apr. 21	Boston, Mass.	Apr. 14
Apr. 22	Pennsylvania Adv. Apr. 7 and 14.	Apr. 7
Apr. 22	Duluth, Minn.	Apr. 14
Apr. 22	Ellensburg, Wash.	Apr. 14
Apr. 22	Jackson, Miss.	Apr. 14
Apr. 22	Concordia, Kan.	Apr. 14
Apr. 22	Cincinnati, O.	Apr. 14
Apr. 22	New York, N. Y.	Apr. 14
Apr. 22	Jackson, O.	Apr. 14
Apr. 22	North Dakota	Apr. 14
Apr. 22	San Antonio, Tex.	Apr. 14
Apr. 22	Stanley, N. D.	Apr. 14
Apr. 23	San Antonio, Tex.	Apr. 7
Apr. 23	North Dakota	Apr. 14

See proposal advertising on page 174

TRADE "LEADITE" MARK

Registered U. S. Pat. Office

30 Years = Confidence

Laying 14 miles of 18-in. c. i. bell and spigot water mains with LEADITE joints.

Water works men use LEADITE because they have known it for years.

They know it has been successfully tested and used for over 30 years on thousands of miles of c. i. bell and spigot water mains.

This gives them confidence in LEADITE as a jointing material.

The proven durability of LEADITE is important to them, as their pipe lines are laid under ground and are, in most cases, permanent installations.

LEADITE is a great asset to the water works field in pipe line construction, and this fact is recognized by the best water works talent in the country.

There is nothing to equal LEADITE in its many advantages.

LEADITE is used on all sizes of pipe from 4 in. to 60-in. in diameter; used under all pressures; takes the drudgery out of pipe laying; saves time, money and labor; expedites completion of the work; used by hundreds of water works all over the country.

LEADITE is a proven success, and the demand for LEADITE is the most convincing evidence of its established merit.

Give LEADITE a fair trial, and you will unquestionably become a LEADITE user.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close	See Eng. News-Record
Apr. 25	Birmingham, Ala. ..... Mar. 31
Apr. 25	New Jersey ..... Apr. 7 Adv. Apr. 7 and 14.
Apr. 25	San Diego, Calif. ..... Apr. 14
Apr. 25	Los Angeles, Calif. ..... Apr. 14
Apr. 25	Council Bluffs, Ia. ..... Apr. 14
Apr. 26	Sharon Springs, Kan. ..... Apr. 7
Apr. 26	Washington ..... Apr. 14
Apr. 26	Oxford, Miss. ..... Apr. 14
Apr. 26	Michigan ..... Apr. 14
Apr. 26	Tell City, Ind. ..... Apr. 14
Apr. 27	Holly Springs, Miss. ..... Apr. 14
Apr. 27	Delaware ..... Apr. 7
Apr. 28	Ripley, Miss. ..... Apr. 14
Apr. 28	Paducah, Ky. ..... Apr. 14 Adv. Apr. 14.
Apr. 29	New York ..... Apr. 14 Adv. Apr. 14.
Apr. 29	Kentucky ..... Apr. 7
Apr. 29	Newton, Kan. ..... Apr. 7
Apr. 30	Lawrence, Kan. ..... Apr. 14
May 1	Duluth, Minn. ..... Feb. 24
May 2	Birmingham, Ala. ..... Apr. 7
May 2	New Jersey ..... Apr. 14 Adv. Apr. 14.
May 3	St. Louis, Mo. ..... Apr. 14
May 3	New York ..... Apr. 14 Adv. Apr. 14.
May 10	Girard, Kan. ..... Apr. 14
May 25	Duluth, Minn. ..... Mar. 31
May 28	Duluth Minn. ..... Apr. 7

Buildings—Commercial

Apr. 15	Springfield, O. ..... Apr. 7
Apr. 15	New York, N. Y. ..... Apr. 14
Apr. 15	East Chicago, Ind. ..... Apr. 14
Apr. 16	Columbus, O. ..... Mar. 31
Apr. 18	Meriden, Conn. ..... Apr. 7
Apr. 18	Boston, Mass. ..... Apr. 14
Apr. 19	Phila., Pa. ..... Apr. 14
Apr. 19	Atlantic City, N. J. ..... Apr. 14
Apr. 20	Pittsburgh, Pa. ..... Apr. 14
Apr. 20	Louisville, Ky. ..... Feb. 17
Apr. 20	Orangeburg, N. Y. ..... Mar. 31 Adv. Mar. 31 to Apr. 14.
Apr. 20	Ashland, Ky. ..... Mar. 24
Apr. 21	Phila., Pa. ..... Apr. 14
Apr. 23	Columbus, O. ..... Mar. 31
Apr. 27	White Plains, N. Y. ..... Apr. 14 Adv. Apr. 14.
Apr. 28	Phila., Pa. ..... Apr. 14
Apr. 29	Mt. Vernon, N. Y. ..... Apr. 14
Apr. 29	Wash., D. C. ..... Apr. 7
Apr. 30	Louisville, Ky. ..... Mar. 31
May 1	La Junta, Colo. ..... Feb. 3
May 2	Dallas, Tex. ..... Apr. 7
May 2	Hamden (br. New Haven), Conn. ..... Apr. 14
May 4	Sonyea, N. Y. ..... Apr. 14 Adv. Apr. 14.
May 4	Helmuth, N. Y. ..... Apr. 14 Adv. Apr. 14.
May 4	Odgensburg, N. Y. ..... Apr. 14 Adv. Apr. 14.
May 15	Bellingham, Wash. ..... Mar. 24

Buildings—Industrial

Apr. 18	Springfield, Ill. ..... Apr. 14
Apr. 20	Arden (mail Arden Mines), Pa. ..... Apr. 14
Apr. 22	Victoria, B. C. ..... Apr. 14

Buildings—Educational, Religious

Apr. 15	Harwich, Mass. ..... Apr. 7
Apr. 18	Syracuse, N. Y. ..... Apr. 7
Apr. 18	Lansing, Mich. ..... Apr. 14
Apr. 18	Providence, R. I. ..... Apr. 14
Apr. 19	Highland Park (br. Detroit), Mich. ..... Apr. 14

Bids close	See Eng. News-Record
Apr. 20	Ottawa, Kan. ..... Apr. 7
Apr. 20	Hazel Park (Royal Oak P. O.), Mich. ..... Apr. 14
Apr. 21	Mercersburg, Pa. ..... Apr. 14
Apr. 22	Miamisburg, O. ..... Mar. 31
Apr. 22	East Jackson, Mich. ..... Apr. 14
Apr. 22	Jamestown, N. Y. ..... Apr. 14
Apr. 25	Indianapolis, Ind. ..... Apr. 14
Apr. 26	Rogers City, Mich. ..... Apr. 14
Apr. 28	Natchez, Miss. ..... Apr. 7
May 1	Monroe, Mich. ..... Jan. 13
May 3	Oakland, Calif. ..... Apr. 14
June 1	Springfield, O. ..... Apr. 14

Federal Government Work

Apr. 15	Water Main—Fort Bragg, N. C. ..... Mar. 31
Apr. 15	Dredging—Hartford, Conn. Mar. 17
Apr. 19	Post Office—McKees Rock, Pa. ..... Mar. 24
Apr. 20	Post Office—East Las Vegas, N. M. ..... Mar. 31
Apr. 20	Steel Post — Chelsea (br. Boston), Mass. ..... Apr. 7
Apr. 20	Road—California ..... Apr. 7
Apr. 23	Locks—Pittsburgh, Pa. ..... Mar. 31 Adv. Mar. 31 to Apr. 14.
Apr. 23	Pipe Fittings, etc.—Wash., D. C. ..... Apr. 14
Apr. 23	Steel—Milwaukee, Wis. ..... Apr. 14 Adv. Apr. 14.
Apr. 25	Stone—Eureka, Calif. ..... Apr. 14
Apr. 26	Post Office—Lancaster, S. C. ..... Mar. 24
Apr. 26	Receiving Building—Oteen, N. C. ..... Mar. 24 Adv. Mar. 31 to Apr. 14.
Apr. 26	Deep Wells — Bedford, Mass. ..... Apr. 7
Apr. 26	Cylinders—St. George, N. Y. ..... Apr. 14
Apr. 27	Boats—Pittsburgh, Pa. ..... Mar. 31 Adv. Mar. 31 to Apr. 14.
Apr. 27	Quarters—Norfolk, Va. ..... Apr. 14
Apr. 29	Post Office—Chamberlain, S. D. ..... Mar. 24
Apr. 29	Post Office—Newburyport, Mass. ..... Apr. 7
Apr. 30	Barracks — Fort Bragg, N. C. ..... Apr. 7 Adv. Apr. 7 and 14.
May 3	Barracks—La Carne, O. ..... Apr. 7 Adv. Apr. 7 and 14.
May 3	Water Softening Plant—North Little Rock (Ind. br. Little Rock), Ark. ..... Apr. 7
May 3	Breakwater — Milwaukee, Wis. ..... Apr. 7 Adv. Apr. 7 and 14.
May 3	Fire Alarm System—Dewight, Ill. ..... Apr. 14
May 5	Barracks — Camp Lewis, Wash. ..... Apr. 14 Adv. Apr. 14.
May 9	Post Office, etc.—Coeur D'Alene, Idaho ..... Mar. 31
May 10	Post Office — Leominster, Mass. ..... Apr. 7 Adv. Apr. 7 and 14.
May 11	Addition—Carville, La. ..... Apr. 14
May 14	Steel Rods—Milwaukee, Wis. ..... Apr. 14 Adv. Apr. 14.
May 17	Nurses Home, etc.—Augusta, Ga. ..... Apr. 14
May 4	Quarters—Whitefish Point, Mich. ..... Apr. 14
June 1	Quarters—Canacao, P. I. ..... Mar. 3

Unclassified

Bids close	See Eng. News-Record
Apr. 15	Tracks, etc. — Brooklyn, N. Y. ..... Apr. 7
Apr. 15	Elevated Road—Long Island City, N. Y. ..... Apr. 7
Apr. 15	Miscellaneous Construction—New York, N. Y. ..... Apr. 7
Apr. 15	Swimming Pool and Bath House—Cleveland, O. ..... Apr. 14
Apr. 18	Land Development—Cleveland, O. ..... Apr. 7
Apr. 18	Gasoline Engine and Generator—Berea, O. ..... Apr. 7
Apr. 18	Culverts, etc.—Estherville, Ia. ..... Apr. 14
Apr. 19	Block Signal System—Arkansas and Tennessee ..... Apr. 7
Apr. 19	Fire Alarm Box Circuits—Toronto, Ont. ..... Apr. 7
Apr. 19	Stadium—Bayonne, N. J. ..... Apr. 14
Apr. 19	Culverts and Bridge—Emmetsburg, Ia. ..... Apr. 14
Apr. 20	Fire Alarm System—Long Island City, N. Y. ..... Apr. 14
Apr. 22	Subway Alterations—New York, N. Y. ..... Apr. 14
Apr. 22	Special Work — Brooklyn, N. Y. ..... Apr. 14
Apr. 22	Carfloats—Phila., Pa. ..... Apr. 14
Apr. 25	Scows—Syracuse, N. Y. ..... Apr. 14
Apr. 26	Scows—Syracuse, N. Y. ..... Apr. 14
Apr. 26	Refrigerating Plant, Stokers, etc.—East Moline, Ill. ..... Apr. 14
Apr. 30	Warehouse and Sheds—Mobile, Ala. ..... Apr. 14
May 2	Generating Set—Dannemora, N. Y. ..... Apr. 14 Adv. Apr. 14.
May 4	Heating—Sonyea, N. Y. ..... Apr. 14 Adv. Apr. 14.
May 6	Subway—New York ..... Mar. 31 Adv. Apr. 7 and 14.

Materials

Apr. 15	Curbing, Castings, Tar, etc.—Chicopee, Mass. ..... Apr. 7
Apr. 18	Shell—Houston, Tex. ..... Mar. 31
Apr. 18	Culvert Pipe—Mt. Ayer, Ia. ..... Apr. 7
Apr. 18	Gasoline—Minneapolis, Minn. ..... Apr. 7
Apr. 18	Roofing Material, Fire Hydrants, etc.—Jackson, Miss. ..... Apr. 14
Apr. 18	Cast Iron Pipe, etc.—Milwaukee, Wis. ..... Apr. 14
Apr. 18	Granite Edgestones—Boston, Mass. ..... Apr. 14
Apr. 19	Lead—Wash., D. C. ..... Apr. 7
Apr. 19	Tar, etc.—Newton, N. J. ..... Apr. 7
Apr. 19	Lead Pipe and Pig Lead, Akron, O. ..... Apr. 14
Apr. 19	Timber, Reinforcing Bars, etc.—LeMars, Ia. ..... Apr. 14
Apr. 20	Copper Pipe—Baltimore, Md. ..... Apr. 14
Apr. 20	Cinders—Brooklyn, N. Y. Apr. 14
Apr. 26	Gravel—Oxford, Miss. ..... Apr. 14
Apr. 28	Gravel—Ripley, Miss. ..... Apr. 14
May 2	Water Meters, etc. — Berea, O. ..... Apr. 14 Adv. Apr. 14.
May 2	Trap Rock—New Jersey ..... Apr. 14 Adv. Apr. 14.

News of the Week

Waterworks

Proposed Work

Mass., Fitchburg—Making plans water supply system, incl. 100 m.g. Lovell Reservoir, 1 mi. dam, 75 ft. high. $450,000. G. H. Chase, city engr.

N. Y., Syracuse—Bd. Contr. & Supply, City Hall, will not receive bids Apr. 18, mains in Valley Annexation and Eastwood. M. B. Palmer, City Hall, engr. This corrects report in Apr. 7 issue.

Va., Shenandoah—Sold $20,000 bonds, waterworks extensions.

W. Va., Mannington—Election May 2, $100,000 bonds, complete waterworks, incl. wells, pumps, settling tank, etc. F. A. Burt, mayor.

Ga., Albany—Authorized $50,000 bonds, enlarging plant, extending mains, etc., for Water Works Dept.

Fla., Jacksonville—Sold $250,000 bonds, waterworks. C. E. Sheddan, city engr.

La., Roseland — Voted $42,000 bonds, waterworks and distribution system.

O., Mansfield—Bd. Control soon takes bids extending and improving water works, and constructing 6 m.g. reservoir on site already purchased. $125,000.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Mich., Birmingham—J. Lee Baker Co. made plans 2,200 ft. 8 in. c.s. mains and 2,000 ft. 18- to 24-in. vitr. or concrete sewers in Washington Heights Subdivision. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Ill., Abingdon — Election soon $40,000 bonds, extensions, additions and repairing waterworks. G. H. Slough, mayor.

Wis., Whitefish Bay—Making plans 12,500 ft. 6- to 12-in. c.i. mains in Chouteau Pl., Morris and Lexington Blvds., Richards, Buffum, and 1st Sts., Carlisle, Day, Birch and Island Aves., etc. T. F. Buckley, city engr.

Tex., Corpus Christi — Making preliminary surveys, supply potable water, booster station, reservoir, impounding treating plant, etc., incl. quotations on 6- to 12-in. pipe, etc. $300,000. Address H. Levinson, city engr.

Tex., Harlingen—Election Apr. 27, $110,000 bonds, extending and improving waterworks, light plant, etc. A. Tamm, city engr.

Tex., Orange—Making plans deep well pump, electric motor for Well 4. $16,000. W. J. Richardson, supt. City Water Dept.

Tex., Turkey—Election soon $35,000 bonds, waterworks. Address Mayor.

Okla., Carter—Election Apr. 19, $30,000 bonds new waterworks, incl. 17,300 ft. 2- to 6-in. pipe, 2 deep wells, pumps, motors, etc. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Constr. News page 230

INDEPENDENT
Reinforced Concrete Pipe

Manholes Are Easier to Build!

BUILDING manholes presents no problems in sewers where INDEPENDENT Concrete Pipe is used—the speed and economy with which the work can be done pleases both engineer and contractor.

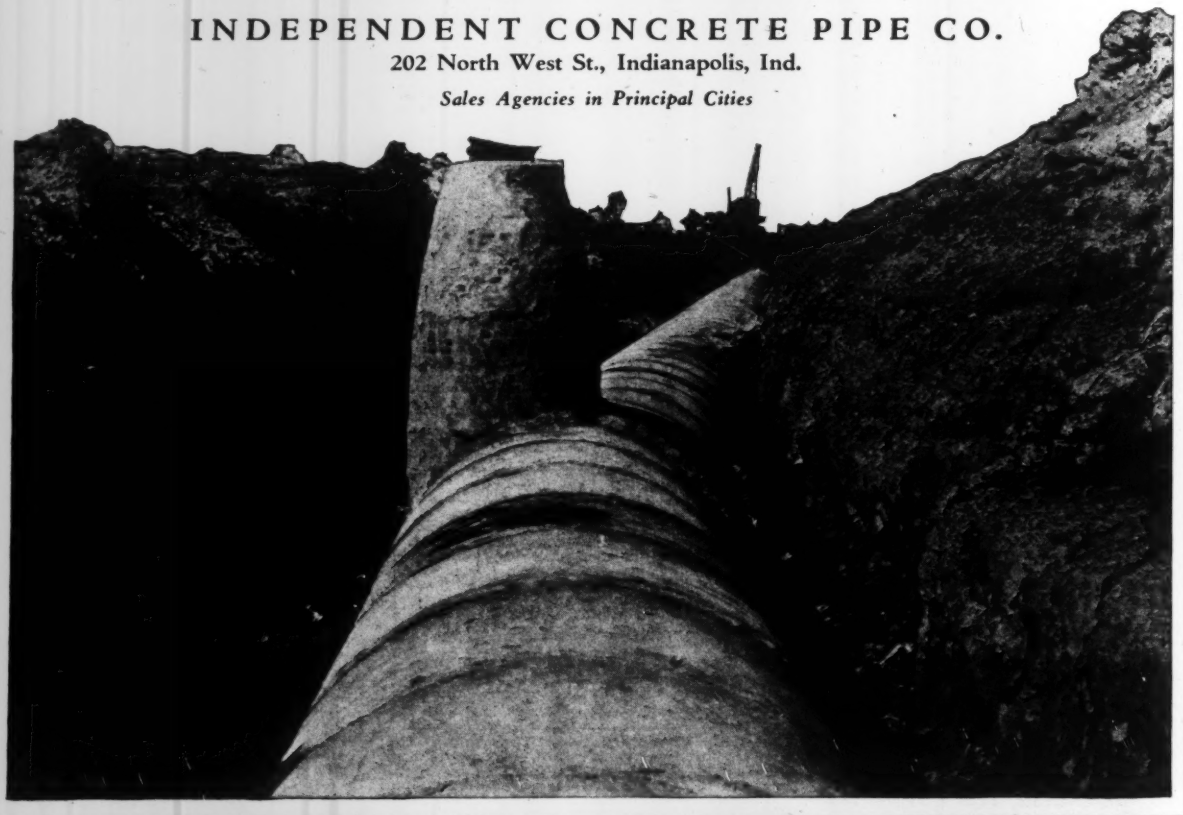
Two methods are used. One is to lay a half section of pipe in the sewer and build the manhole of concrete or brick upon it. The other is to leave one pipe section out of the sewer, place the forms and pour a monolithic manhole; or, build one of brick, as was done in the sewer illustrated below.

Either type of manhole can be constructed quickly, easily and at low cost for labor and material. Openings for house connections may be cast in the sewer pipe, at points directed by the engineer.

This flexibility is just one of many advantages of INDEPENDENT Concrete Pipe. Here are several others —high quality pipe . . . low first cost and low installation cost . . . strong, tight joints . . . easier to lay . . . proved permanence . . . prompt delivery—in fact, a COMPLETE service backed by a national organization of concrete pipe specialists.

Send for more information, or for an estimate on any prospective concrete sewer work. You'll find our prices and service of real interest.

INDEPENDENT CONCRETE PIPE CO.
202 North West St., Indianapolis, Ind.
Sales Agencies in Principal Cities



Waterworks (Continued)

Calif., Baldwin Park — Plans election $225,000 bonds, purchasing existing system (privately owned), also extending and improving same.

Que., Three Rivers — Plans rebuilding timber acqueduct, c.i. pipe, etc. N. Garceau, Three Rivers, engr. $30,000.

Ont., Toronto—Plans 6 and 12 in. c.i. mains in Craven Rd., St. Clair Ave. E., Queens Quay, Fleet and Bay Sts. $28,521. R. C. Harris, City Hall, engr.

Bids Desired

Mass., Boston — Apr. 29, by Commonwealth of Massachusetts, Metropolitan Dist. Water Comn., 7,000 lin.ft. 30 in. c.i. or rein.-con. mains in Ashland and Southboro. R. N. Molt, secy.; adv. E. N.-R. Apr. 14.

N. Y., Hamilton—May 12, by Bd. Water & Light Comrs., ½ m.g. distributing reservoir, and 3,400 ft. connecting pipe. C. C. Hopkins, 349 Cutler Bldg., Rochester, archt.; adv. E. N.-R. Apr. 14.

N. J., Odgensburg—Apr. 20, by Mayor and Boro Council, Municipal Bldg., c.i. pipe and branches, hydrants, etc., for waterworks. H. J. Harder, 129 Market St., Paterson, civil engr.; adv. E. N.-R. Apr. 14.

Pa., Phila.—Apr. 21, by Dept. Pub. Wks., Bureau of Water, superstructures for Belmont Mechanical Filters, Contr. 803; cast iron special castings. Contr. 876 and pig lead, Contr. 877. G. H. Biles, dir.

Mich., Detroit—Apr. 20, by Bd. Water Comrs., 20,720 ft. 6- to 16-in. c.i. mains in 8 avenues, Contr. 4; 27,978 ft. 6- to 12-in. c.i. mains in Six Mile Rd. and 16 Aves., Contr. 5; and 23,980 ft. 6- to 16-in. c.i. mains in 11 avenues, Contr. 6.

Mich., Saginaw—May 24, by S. W. Corrigan, city clk., constructing pumping and purification structures, Contr. 4. H. H. Eymer, city engr.; adv. E. N.-R. Apr. 14.

Ill., Chicago — Apr. 18, by City, Room 406, City Hall, 1,918 tons 8 and 12 in. c.i. pipe at various city pipe yards, f.o.b. cars. A. A. Sprague, comr. Pub. Wks.

Ill., Chicago—Apr. 20, by City, Room 406, City Hall, 2 motor driven 40 g.p.m. centrifugal pumps and miscellaneous equipment, to Western Ave. Pumping Sta. A. A. Sprague, comr. Pub. Wks.

Ill., Rock Island—Apr. 16, at office W. A. Rosenfeld, mayor, 50 tons 6 in. Class "B" or equal c.i. water pipe, and price per lb. standard fittings. W. Triechler, Court House, engr.

Wis., Milwaukee—Apr. 16, by Bd. Pub. Wks., 6,201 ft. 6- to 12-in. c.i. mains in various streets. $18,000. R. E. Stoelting, comr.

Minn., Lesueur Center—Apr. 25, by A. A. Tambornino, village clk., extending waterworks, 12,370 ft. 6 in. mains, 300 ft. hydrant branches, 6,000 lb. special castings, etc. L. P. Wolff, 903 Globe Bldg., St. Paul, engr.

Tex., Lewisville—Apr. 20, by M. D. Fagg, mayor, constructing waterworks, incl. well, pump house, elevated tank, and distribution system. F. J. Von Zuben, 611 Dan Waggoner Bldg., Fort Worth, engr. Noted Mar. 17.

Okla., Medford—E. Jenkins, mayor, and City Council, in market new 300 g.p.m. centrifugal pump and 15 hp. motor, for City Waterworks.

Ont., Hamilton—Apr. 20, by F. F. Treleaven, mayor, City Hall, approximately 3,000 ft. 60 in. steel intake pipe into Lake Ontario, incl. valve house and intake crib, also laying and jointing 1,573 lin.ft. 60 in. rein.-con. pipe from Hamilton Waterworks Filtration Basins to Beach Pumping Sta. Grounds. $60,000. W. L. McFaul, City Hall, engr.

Ont., Toronto—May 3 by T. Foster, mayor, City Hall, ½ in. and up water meters, Tender 42. $25,000. R. C. Harris, City Hall, engr.

Ont., Windsor — Apr. 16, by B. R. McKenzie, chn. Windsor Water Comn., City Hall, laying 12,030 ft. 6- to 12-in. mains in various streets, supplying 30 fire hydrants, sixty 6 in. and one 16 in. valves, 15 valve boxes, 30 tons 12 in., 45 tons 8 in. and 150 tons 6 in. c.i. pipe, $35,000. M. E. Brian, City Hall, engr.

Que., Quebec—Apr. 19, by C. P. Casgrain, waterworks supt., City Hall, hydrants, c.i. pipes, valves, iron castings, brass cocks, lead and cock pipes, and cement drain pipe. $40,000.

Contracts Awarded

N. Y., Fishers Island — Fishers Island Corp., F. S. Ruth, mgr., 120 Bway., New York City, filter plant, rein.-con. tanks and buildings, here, to C. C. Case, 249 Petree St., Atlanta, Ga. Noted Mar. 10.

N. J., Newark—North Jersey Dist. Water Supply Comn., 24 Commerce St., cleaning, 1,650 acres, and grubbing 150 acres Wanaque Reservoir, to C. S. MacEvoy, 505 Orange St., $282,925. Noted Mar. 24.

O., Columbus — For 8,200 ft. lead pipe and 5,000 service boxes, to Scioto Valley Supply Co., Gay and Front Sts., $7,317; 7,200 ft. galvanized pipe, to Sanitary Mfg. Co., $13,143; 15,000 corporation and curb cocks, to Conklin Co., Columbus, $11,895. Grand total $32,355.

Wis., Milwaukee—J. W. Nicholson, city purch. agt., 476,875 tons c.i. pipe and 9.3075 tons fittings, to U. S. Cast Iron Pipe Co., 122 South Michigan Ave., Chicago, Ill., $22,293.

Wis., Milwaukee—Bd. Pub. Wks., 3,480 ft. 8- to 36-in. c.i. mains in various streets, to W. T. Werner, 675 Hi-Mount Blvd., $19,445. Engrs. est. $23,000.

Minn., North Mankato—I. J. Hensel, city clk., waterworks, incl. pumphouse, to A. Papke, New Ulm, $2,970; pumping equipment, to F. T. Hildred & Co., 108 East Erd St., St. Paul, $8,340; and well discharge, to J. W. Peterson, Springfield, $1,863. Grand total $13,173. Noted Mar. 24.

Tex., McCamey—See "Sewers."

Ore., Ashland—Renovating system, incl. concrete dam, and 2 m.g. tank, etc., to Rhodes & Judd, Medford, $23,800. Noted Dec. 30.

Calif., Alhambra — M. H. Irvine, city engr., 5 m.g. reservoir, and 228 ft. 72 in. concrete storm drain, to Nead Constr. Co., 119½ West Anaheim St., Wilmington, $44,885.

Calif., Beverly Hills—For 2½ m.g. reservoir, to H. W. Rohl Co., Jonathan Club, Los Angeles, $21,470. Noted Mar. 10.

Ont., Toronto—Bd. Control, two 30 m.g.p.d. electrical centrifugal low lift pumps, to J. Inglis Co. Ltd., Strachan Ave., $18,434. Noted Feb. 17.

Sewers

Proposed Work

N. Y., Syracuse — See "Streets and Roads."

N. J., Oradell—Mayor and Council, H. A. Bingham, boro clk., plans 3,140 ft. 8 in. sewer in various streets. $35,000. Engineer not selected.

Miss., Gulfport — Election soon $30,000 bonds, drainage extension.

Ind., Jeffersonville—Plans sewer in Walnut St. $26,700. Address City Clerk, Jeffersonville.

Ind., Washington—Plans sewer in various streets. $25,000. L. T. Gootee, city engr.

Mich., Birmingham—See "Waterworks."

Wis., Milwaukee—Metropolitan Sewerage Comn., R. E. Stoelting, comr., 508 Market St., making plans extending approximately 15,000 ft. main sewer to Fox Point. J. Schwada, city engr.

Wis., Shorewood (mail Milwaukee) — Making plans 12,500 ft. 8- to 12-in. concrete and vitr. clay sewers in Morris Blvd., Atwater Rd., Newton Ave., Bremen. Humboldt, Menlo Sts., etc. H. J. Schmitt, Shorewood, engr.

Ia., Sioux City — Making preliminary plans 2,100 ft. 6 ft. storm sewers, etc., in 27th Sts. $25,000. L. N. Hintgen, City Hall, engr.

Mo., Cape Girardeau—City, c/o W. C. Kaempfer, clk., received no bids Mar. 28, 3.5 mi. 12- to 66-in. storm sewers in Sewer Dist. 1. E. L. Sailer, City Hall, engr. Noted Sept. 16.

Mo., Sedalia—City postponed indefinitely bids to have been received Apr. 14, outfall sewer in Southwest Dist., also sewage disposal plant. $175,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, engrs. Noted. Apr. 7.

Mo., Webster Groves (Ind. br. St. Louis) —Making preliminary plans 8- to 36-in. sewers in Webster Groves Dist. 1, etc. $2,000,000. Roessel & Minton, 208 North Bway., St. Louis, attys.

Ark., Conway—Making plans sewer extensions. $150,000. W. L. Winters, Merchants Bank Bldg., Ft. Smith, engr. Noted Feb. 10.

Tex., Harlingen—Election Apr. 27, $60,000 bonds, sanitary sewers in various streets. A. Tamm, city engr.

Tex., Harlingen — See "Streets and Roads."

Tex., Harrisburg—Election May 7, $55,000 bonds, sewers in various streets. J. S. Deady, mayor.

Tex., McLean—Election May 3, $50,000 bonds, new sewerage system. L. C. Hasle, Memphis, engr. Noted Mar. 24.

Calif., Costa Mesa—Plans sewerage system in Central Business Dist. To exceed $25,000. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Calif., Los Angeles — Plans Cahuenga Blvd. Storm Drainage System, cement pipe. To exceed $25,000. J. Shaw, city engr.

Ont., Islington—Twp. of Etobicoke plans 1 mi. 8 in. and up vitr. tile sewers in Garroch Pl., Garden St., Simpson, Hay, and Dearborn Aves. $25,000. H. McNichol, Islington, engr.

Ont., Oxford Center—Twp. of East Oxford plans deepening and cleaning 1,000 ft. open ditch, and laying 13,529 ft. 4- to 18-in. tile drain in various streets. $25,000-$30,000. F. J. Ure & Son, Woodstock, engrs.

Bids Desired

R. I., Providence—Apr. 18, by City, sewerage works in various streets. $25,000. Sewerage Dept., City Hall., engrs.

N. Y., Brooklyn—Apr. 20, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewer in Shore Rd., East 52nd, East 3rd and East 29th Sts.

N. Y., Long Island City—Apr. 15, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer used temporarily as combined sewer in Winchester Blvd.; sewers in Lucerne, Summit, and 39th Pls., 109th, 114th, Metropolitan, and Winthrop Aves.; 77th, 91st, Grove Sts., etc.

N. Y., Long Island City—Apr. 21, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., temporary sewer in Rockaway Blvd.; sewers in 40th Rd. (Grove St.), 41st (Madison St.), 33rd (Mitchell) and Seagirt Aves.; 130th, Main, 152nd (12th) and Beach 32nd Sts., etc.

N. Y., New York—Apr. 22, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., storm water overflow in sewer easement between Westchester Creek and East 177th St., East 177th St., Eastern Blvd., Quincy and Calhoun Aves., etc.

N. J., Newark—Apr. 19, by Passaic Valley Sewerage Comrs., 24 Branford Pl., constructing portion Sect. 4, Passaic Valley Sewerage Works, consisting additional sedimentation basins, etc. J. R. Van Duyne, ch. engr.

Pa., Altoona—Apr. 29, by Supervs. Logan Twp., T. S. Stephenson, chn. Mountain City Trust Bldg., sewers in Eldorado Dist. Logan Twp., 52,565 ft. 6- to 15-in. pipe, 126 manholes, 1,172 each Y's and 6 in. curves, 100 ft. 6 in. riser pipe, etc. $150,000. F. A. Richards, City Hall, engr. Noted Sept. 30.

Fla., Tampa—Apr. 19, by W. L. Brown, city mgr., 709 East Lafayette St., sewers in 18 streets.

O., Dayton — Apr. 15, by Dept. Pub. Serv., Sanitary Sewer Relief 4, from north end Webster St. Bridge to Keowee St., and Overlook Ave. from Condert to Tuttle Aves.; sanitary sewer in Danner Ave. from Weaver to Isabel Sts., Dist. 6; also sewage disposal plant and intercepting sewer from Longworth St. to pumping station to east bank Miami River. J. F. Hale, city engr.

Wis., Ripon—Apr. 19, by C. L. Pratt, city engr., improving sewage disposal plant, incl. new rein.-con. sludge digestion tank, remodeling concrete sludge tank, pumps, air compressor, chemical feeder, motors, etc. W. G. Kirchoffer, Dean Bldg., Madison, engr.

S. D. Milbank—Apr. 22, by A. A. Blomquist, city aud., 8,835 lin.ft. 8 in. sewer, 1 sewage lift, manholes, etc. in Sewer Dist. 2. $25,000. L. P. Wolff, 903 Globe Bldg., St. Paul, engr. Noted Mar. 3.

Tex., San Benito—Apr. 27, by City Comn., sewage disposal plant and c.i. pressure line. $40,000. Address J. S. Brown, mayor. Noted Feb. 17.

Calif., Carmel—City Trustees, taking bids 59,750 ft. 4- to 10-in. vitr. sewer, etc. in San Antonio Ave. H. D. Severance, city engr.

Bids Received

Wash., Auburn—City Council, sewerage system in eastern and southern portions city, 2 trunk sewers, brick lined 42 in. monolithic sewer, etc., from T. Scalzo, 1708 22nd St. S., Seattle, $114,825; and disposal plant, to Dillon Constr. Co., Auburn, $19,030. Noted Mar. 10.

Contracts Awarded

N. Y., Freeport—Village Sewer Comrs., at office Village clerk, West Merrick Rd., sewage treatment plant Sect. "A" to J. P. White Constr. Co., 52 Lexington Ave., Passaic, N. J.; Sects. B and C, to Riverdale Constr. Co., 100 East 45th St., New York City; and Sect. D, to Newark Concrete Pipe Constr. Co., 42 Broad St., Newark, N. J. Noted Mar. 24.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, sewer in Fre-

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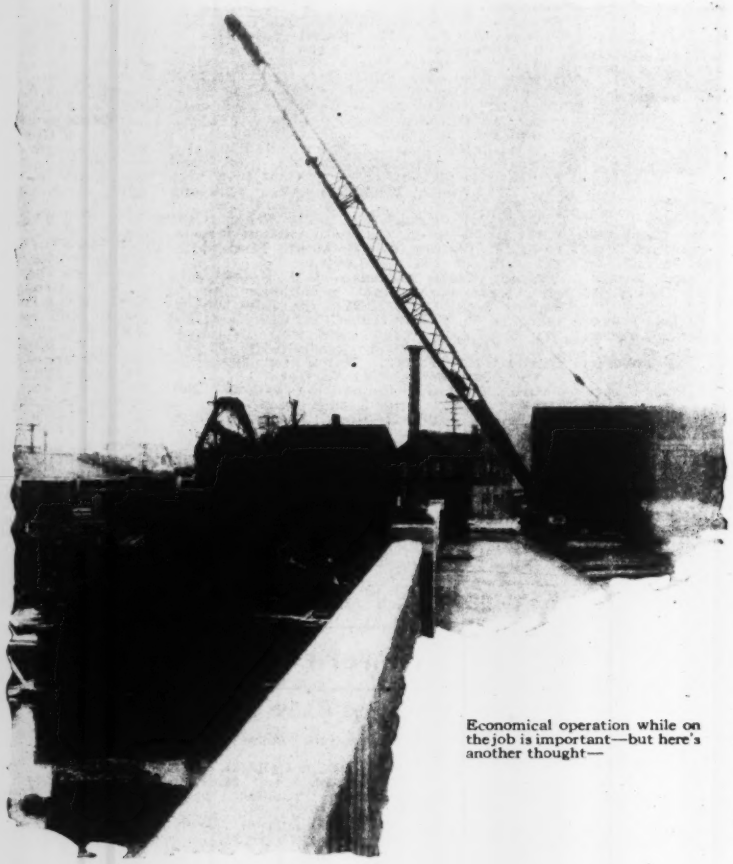

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Sewers (Continued)

mont Ave., etc., to F. J. Zarelli, 390 Carey Ave., Port Richmond, $56,649. Noted Mar. 10.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, reconstructing temporary storm sewer in Victory Blvd. from east side Clove Rd. to point 800 ft. west Clove Rd. to Vanbro Constr. Co., 20 Elizabeth St., Port Richmond, $11,827. Noted Mar. 24.

N. J., Hillside (mail Elizabeth)—Twp. Com. Central Grammar School, Coe Ave., sanitary sewerage system, Sect. A to Amer. Utilities Corp., 665 Broad St., Newark, $279,188; and Sect. B, to Luce Bros. & Pozzi,, Orange, $381,403. Noted Mar. 31.

N. J., Trenton—City Comn. sewer drain in Hankinson Alley, Sect. 2, to J. Jingola & Son, 115 Wayne Ave., $14,238; and Sect. 3, to J. Ailey & Ferraro, 235 Pearl St., $11,783.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, to J. J. McHugh, 1617 Race St., branch sewer in Anchor St. $23,123, Fraley St. $45,619, 52nd St. $23,421, Hobart and Wanamaker Sts. $35,951, Shelmire St. $68,034, and main sewer in Cobbs Creek Parkway $22,856; to V. S. Campellone, 38 North 10th St., branch sewer in Belgrade St. $4,770, and Discher St. $5,707, to F. T. Buckins, Jr., 4050 Kensington Ave., Bleigh St. $55,696, Charles St. $3,010, H St. $17,909, Philellena St. $7,902, and Princeton St. $7,911, to A. DiSandro & Son, 6400 North 5th St., Castor Ave. $29,634, to J. Ciccone, 5724 Westminster St., Cheltenham St. $3,967, and 58th St. $19,770, to F. Jaffolla, 10 Ryers Ave., Courtland St. $2,746, to F. H. Fitt, 5753 North 5th St., 18th St. $13,656, to A. J. Henderson, 825 East Washington Lane, 15th St. $5,940, to Mundy Paving & Constr. Co., 226 South Warnock St., Memphis St. $6,195, and to E. T. Bennis, 825 East Washington Lane, 20th St. $24,939; also to Jaffolla & Mark, Lincoln Bldg., main sewer in Cranford St., $205,188. Grand total $633,944.

O., Akron—Concrete intercepting sewer in connection with new disposal plant, to Holmes Constr. Co., Wooster, $740,410. Engrs. est. $800,000.

O., Akron—W. F. Peters, dir. Pub. Serv., for Cuyahoga River Outfall Sewer, 12,960 ft. 90 x 144 in. concrete pipe, to Holmes Constr. Co., Wooster, $740,410. Engrs. est. $815,000.

O., Cleveland—Sewers in Archmere and Cooley Aves., to Assad Constr. Co., 1432 Castle Ave., $6,438 and $999 respectively; Big Creek and East 147th St., to Manson Co., Engineers Bldg., $5,945 and $73,511 respectively; Chapman and Woodrow Aves., to Khury Constr. Co., 650 East 91st St., $4,514 and $3,754 respectively; Colburn Ave., to A. George, 9813 Quincy Ave., $2,630; Laumer Ave., to W. McDowell & Son., 4120 East 104th St., $2,090; also Matherson Ave., to W. B. Smith, 1350 West 89th St., $8,458. Grand total $108,339.

O., Youngstown — Sewer in Belle Vista from Calvary Run to Mill Creek Park Dr., to A. P. O'Horo, 468 Alameda Ave., $29,398. Engrs. est. $30,000.

Ind., South Bend—Bd. Wks., constructing Randolph Hoke Sewer, to R. W. Staples, South Bend, $22,166. Noted Feb. 17.

Wis., West Allis—For 14,965 ft. 8 and 10 in. sewers in various streets, to Dervoz & Phillips, 450 National Ave., Milwaukee, $25,056.

Ia., Sioux City — For 9,884 ft. sewers, pumping station, etc., in Southeast Morningside St., to W. J. Higgins, Sioux City, $21,112.

Mo., University (mail St. Louis)—See "Streets and Roads."

Tex., Beaumont—For 6,600 ft. 72 in. precast rein.-con. sewers, to Lake Arthur Dredging Co. & R. J. Estep Co., Praetorian Bldg., $198,260. Noted Apr. 7.

Tex., Galveston—City, c/o A. C. Kelley, secy., 18- to 30-in. drains in various streets, to Walsh, Burney & Moore, c/o Frost Bldg., San Antonio, $199,363. Noted Jan. 13.

Tex., McCamey — Complete sewerage, waterworks, and disposal plant, etc., to R. Irock, Plainview, $129,000.

Tex., San Antonio — For 3½ mi. 6- to 36-in. sewers in Lakeview Addition, to Smith Bros., c/o Plaza Hotel, $73,000. Noted Mar. 3.

Wash., Auburn—See "Bids Received."

Calif., Los Angeles—Bd. Pub. Wks., 26,845 ft. 6 in. vitr. clay sewer in Overland Ave., to J. C. Hickey, 320 South Palm Ave., Alhambra, $168,376. Noted Mar. 24.

Ont., Toronto—Vitr. tile sewers in lane west of Montrose Ave., and lane north of Dundas St., to Simone Bros., 133 Monark Park Rd., $7,833, in lane west of Bathurst St., to National Contg. Co., 52 Imperial St., $3,738; and Queens Quay, to City, by day labor, $18,364. Grand total $29,935.

Waste Disposal

Proposed Work

Ind., Anderson—Plans garbage incinerator (disposal type) plant. $110,000. M. H. Downey, City Hall, engr.

Wis., Shorewood (mail Milwaukee) — Making plans 35 x 50 ft., brick and steel incinerator. $40,000. H. J. Schmitt, Shorewood, engr.

Bids Desired

Md., Baltimore—Apr. 20, by Bd. Awards, 2 story, 76 x 112 ft., rein.-con. and brick incinerator plant, plain foundation, Phila. Rd. north of Herring Run. $100,000. C. F. Goob, Guilford north of Lexington Sts., mechanical engr. Noted Dec. 9.

Contracts Awarded

O., Hamilton—G. M. Mitchell, dir. Serv., constructing garbage and reduction plant 40-50 ton in 10 hrs., brick stack, etc., to Superior Incinerator Co., Wilson Bldg., Dallas, Tex., $45,000. Noted Apr. 7.

Tex., San Antonio—For 90 ton capacity, brick and steel incinerator, to Superior Incinerator Co., c/o City Hall, $81,500. Noted Dec. 2.

Ont., Ford — Concrete, brick and steel garbage incinerator, buildings, chimney, etc., to J. V. Grey Constr. Co., Bartlett Bldg., Windsor; and furnaces, to F. Hankin & Co. Ltd., 598 Union St., Montreal, Que. Engrs. est. $30,000. Noted Jan. 27.

Bridges

Proposed Work

Pa., Pittsburgh — Comrs. Allegheny Co. soon take bids 3 span 2,980 ft. bridge over Allegheny River, on 31st St. $1,700,000. County-Bureau of Bridges, 519 Smithfield St., engr.

Maryland — State Hy. Dept., Baltimore, plans 8 mi. steel bridge, 20-27 ft., from point of Bay Shore on western shore to point midway between Tolchester and Rock Hall in Kent Co. $10,000,000. W. R. Bonsall, c/o Seaboard Air Line R.R. Co., Continental Bldg., Baltimore, engr.

Tenn., Old Hickory—Davidson Co. Highway Comn., Nashville, soon takes bids concrete and steel bridge over Cumberland River, near here. $1,000,000. Freeland, Roberts & Co., Independent Life Bldg., Nashville, engrs. Noted Dec. 30.

Wis., Milwaukee — Making plans 250 ft. steel bascule span bridge, 60 ft. with 12 ft. sidewalks, etc., on Cedar St. $800,000. M. Cutter, Milwaukee, engr.

Kan., Fredonia—See "Streets and Roads."

Mo., St. Louis — City and St. Louis Co. making revised plans 1,750 ft. rein.-con. viaduct to carry Arsenal St. over River Des Peres and St. Louis, San Francisco R.R. tracks. $560,000. L. R. Bowen, 301 City Hall, engr. Noted Jan. 6.

Arkansas—State Hy. Dept., Little Rock, making preliminary plans rein.-con. and steel bridge on Wynne-Memphis Highway at St. Francis Bay. O. L. Hemphill, highway engr.

Tex., Linden—See "Streets and Roads."

Tex., Vernon—Wilbarger Co. plans rein.-con. bridge across Pease River. $125,000. J. W. Nabors, Vernon, co. engr.

Calif., Los Angeles—Making plans bridge over Los Angeles River, at East Washington St. $300,000 or more. J. Shaw, city engr.

Calif., Rio Vista—State Hy. Dept., Sacramento, plans replacing present trestle with 1,500 ft. trestle, over Sacramento River, here, Solano Co. To exceed $75,000. R. M. Morton, Strub Bldg., Sacramento, engr.

Ontario and Quebec—Dept. Pub. Wks., Ottawa, Ont., making plans and soon takes bids bridge across Ottawa River from Fort Coulouge, Que., to La Passe, Ont. $500,000. R. M. Cameron, Ottawa, ch. engr.

Ont., Hamilton—See "Streets and Roads."

British Columbia—Provincial Govt., Victoria, making plans and takes bids about May 21, steel foot bridge across Columbia River, Trail, $100,000; steel or timber bridge on concrete piles over Campbell River, at Vancouver, $150,000; and new steel span over Bulkley River, on Hazelton Terrace Highway, at Hogwilgee Canyon, $100,000. P. Philip, Victoria, engr.

Bids Desired

N. H., Campton—Apr. 15, by State Hy. Dept., Concord, constructing 86 ft. span rein.-con. bridge, here.

R. I., Providence—Apr. 27, at office State Bd. Pub. Rds., State House, constructing State Bridges 215, 216, 219, 220, 221, 222 and 223, removing 4 existing bridges, widening 3 arch bridges with rein.-con. and constructing 1 rein.-con. arch bridge etc.; adv. E. N.-R. Apr. 14.

Conn., Hartford—April 26, by Bd. Contr. & Supply, C. Del. Alton, secy., for Laurel Street Bridge; adv. E. N.-R. Apr. 14.

N. Y., New Rochelle—Apr. 27, by Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, 3 stone faced rein.-con. bridges at Wilmont Rd., River Rd., and River Bridge P in Hutchinson River Parkway, Town of Eastchester, here. J. Downer, ch. engr.; adv. E. N.-R. Apr. 14.

Pa., Phila.—Apr. 22, by W. E. Walsh, purch. agt. Pennsylvania R.R. Co., 17th and Filbert Sts., structural metal work for bridges, Contr. 44-1927; and gage rods, crossings, switches and switch points, Contr. 45-1927. T. J. Skillman, Broad St. Sta., ch. engr. railroad.

Md., Salisbury—Apr. 26, by State Rd Conn., Garrett Bldg., Baltimore, superstructure double leaf steel bridge over Wicomico River, on Main St., Contr. Wi-37-A. J. N. Mackall, chn.; adv. E. N.-R. Apr. 14.

Florida—Apr. 28, by State Road Dept., Tallahassee, 150 ft. concrete deck girder bridge over Phillippi Creek, 130 ft. concrete slab bridge over Shacket Creek, 40 ft. single leaf bascule span and concrete deck girder bridge over Venice Bay, and 130 ft. bridge over Hatchet Creek, Project 614, Rd. 5, Sarasota Co.; six 290 ft. concrete slab, and one 23 ft. timber bridges, Project 589, Rd. 5, Lee Co.; 120 ft. concrete deck girder overpass on concrete piers across Atlantic Coast Line R.R. tracks near Mascotte, Project 687-A, Rd. 2, Lake Co.; and 280 ft. concrete deck girder overpass on concrete pile bents and piers across Florida East Coast R.R. tracks south of Vero Beach, Project 691, Rd. 4, Martin Co. J. L. Cresap, state highway engr.

Miss., Grenada—Apr. 25, by Bd. Supervs. Grenada Co., bridge on Winona-Water Valley Rd., Federal Aid Project 114, 3,150 ft. untreated and 87,562 ft. creosoted lumber, 3,798 ft. creosoted piling, etc. H. C. Dietzer, Jackson, engr.

Ind., Indianapolis — See "Streets and Roads."

Mich., Lansing—Taking bids constructing new spandrel retaining walls, wing walls etc. on earth filled concrete arch bridge, $25,000. E. G. Eddy, city engr.

Washington—See "Streets and Roads."

Ia., Clinton—Apr. 20, at office Auditor Clinton Co., one 90 x 20 ft. pony truss and one 40 x 24 ft. deck girder bridges, also 42 box culverts and extensions. E. H. Lorenzen, Clinton, co. engr.

Calif., Hollister—Apr. 25, by State Hy. Comn., Sacramento, three 60 ft. and two 28 ft. span rein.-con. girder bridge over Pacheco Creek, 6 mi. north of here, San Benito Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Ont., Toronto—May 31, by T. Foster, mayor, City Hall, removing present steel trestle and constructing North Glen Road Bridge, for 639 ft. steel and concrete arch span over Rosedale Ravine. $460,000. R. C. Harris, City Hall, engr. Noted Feb. 24.

Que., Beaumont—Apr. 20, by I. E. Vallie, ch. engr. Pub. Wks., Quebec, 200 ft. steel bridge, here. $100,000.

Que., St. Francois — Apr. 20, by J. Theberge, secy.-treas. Montmagny Co., 3 concrete bridges on Morigeau and Geassen Rivers, here. $68,000. I. E. Vallie, Quebec, engr.

B. C., Victoria — See "Contracts Awarded."

Contracts Awarded

Md., Salisbury—State Rd. Comn., Garrett Bldg., Baltimore, 2 bascule piers, substructure for bascule bridge over Wicomico River, on Main St., here, in Wicomico Co., Contr. Wi-37, to Regan Constr. Co., 2 East Lexington St., Baltimore, $32,197. Noted Mar. 24.

O., Ivorydale (br. Cincinnati)—Hamilton Co. (Cincinnati), 172 ft. steel truss bridge, on Spring Grove Ave., to McClintic-Marshall Co., 624 Union Central Bldg., Cincinnati, $38,208. Engrs. est. $48,000. Noted Feb. 24.

Wis., Merrill — State Hy. Comn., C. H. Kirch, Madison, bridge engr., concrete and steel bridge over Wisconsin River, on West Main St., here, to Wausau Iron Wks., Wausau, $132,235. Noted Mar. 10.

Wis., Wausau—State Hy. Comn., Madison, constructing Scott Street Bridge, here, to Wausau Iron Wks., Wausau, $160,226. Noted Mar. 24.

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POWER

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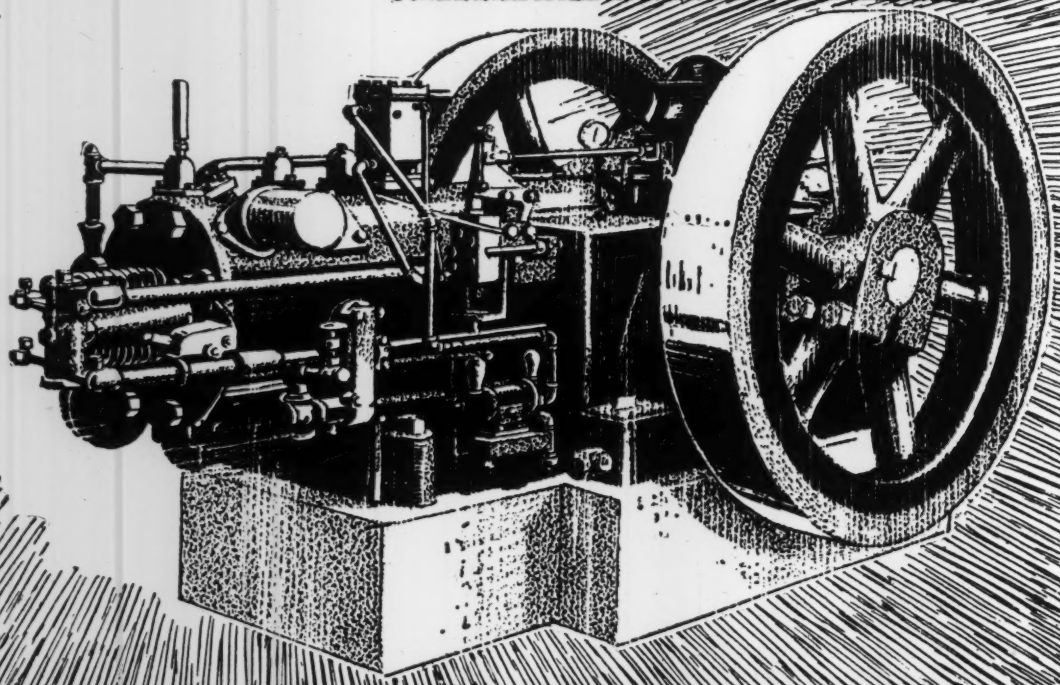

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Bridges (Continued)

Minn., Minneapolis — Great Northern R.R. Co., J. R. Davis, ch. engr., St. Paul, and Minneapolis & St. Louis R.R. Co., R. J. Kenley, ch. engr., Transportation Bldg., constructing 725 ft. rein.-con. and steel bridge over railroad tracks at Laurel Ave., here, to Industrial Contg. Co., 3050 4th Ave. S., approximately $100,000. Owners furnish materials. This corrects report in Apr. 7 issue.

Colorado—State Hy. Dept., Denver, concrete bridge, etc., over Chicago Rock Island & Pacific R.R. and Pennsylvania R.R. tracks, Federal Aid Project 276, El Paso Co., to J. L. Busselle, 203 Swope Ave., Colorado Springs, $37,913; 44 ft. I-beam bridge, etc., on State Project 548, Boulder Co., to C. O'Neil, Platteville, $5,942; and grading 3.243 mi. Project 279-E, Park Co., to F. M. and F. J. Feely, 1119 18th St., Denver, $54,306. Grand total $98,161. Noted Mar. 10.

California — State Hy. Comn., Sacramento, timber bridge over Santa Ana Overflow Channel between Newport Beach and Huntington Beach, Orange Co., to L. Worel, 31 Meridian St., Alhambra, $33,080. Noted Mar. 31.

B. C., Victoria—Provincial Government, Dept. Pub. Wks., will build concrete arch bridge and approaches on Island Highway, by force account. $50,000. P. Philip, c/o owner, engr.

Dams

Bids Desired

Mass., Greenfield—May 9, by Bd. Water Comrs., repairing and reconstructing dam. Hazen & Whipple, 25 West 43rd St., New York City, civil engrs.; adv. E. N.-R. Apr. 14.

Contracts Awarded

Ont., Field—Spanish River Pulp & Paper Co., Saulte Ste Marie, concrete and timber dam, here, to Lang & Ross, Saulte Ste Marie. Engrs. est. $100,000.

Railways

Proposed Work

Alabama—Alabama, Tennessee & Northern R.R. Corp., W. Tokey, ch. engr.. Mesher Bldg., Mobile, made revised plans extending 28 mi. railroad from Calvert to Mobile. Noted Dec. 2.

Ohio—Cleveland Railway Co., C. Stanley, purch. agt., Hanna Bldg., Cleveland, takes bids in summer, new tracks in Pearl, State and Broadview Rds., $262,000; also new tracks in Mayfield and Cedar Rds., $257,000, in Cleveland.

California—Western Pacific R.R., J. W. Williams, ch. engr., Mills Bldg., San Francisco, plans 7.5 mi. railway extension from point near Kingdon Sta. to Little Potato Slough, San Joaquin Co.

Ontario—Canadian Natl. Rys., 230 James St., Montreal, Que., C. D. Gzowski, ch. engr., plans grading, tracking for yard sidings, new freight sheds, and constructing station building, at Sarnia, here. $500,000.

Ontario—Canadian Pacific Ry., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., plans additional sidings Sulphide, Bellevilie, Oshawa, Chatham, St. Joachim, Windsor, McNaught, Guelph Junction and Walton; new track scales replacing present scales at London and Woodstock; new turntable, Windsor; 18 mi. automatic block signals between Streetsville Junction and Guelph Junction; new water tanks, Crow Lake and Blyth; new 50 ton coaling plant, Goderich; and new engine houses at Peterborough, Orangeville and Guelph Junction. $300,000.

Bids Desired

Massachusetts—Apr. 21, by Eastern Massachusetts Street Ry. Co., 1 Beacon St., Boston, reconstructing 2,450 ft. 9 in. girder track and repaving Bwy., in Chelsea.

New York—Apr. 29, by Dept. Correction, Pub. Wks. Bldg., Albany, constructing railroad tracks and coal trestle at Matteawan State Hospital, Beacon, Dutchess Co.; adv. E. N.-R. Apr. 14.

Pennsylvania—See "Buildings-Industrial under "Brownsville."

California—Apr. 25, by Supervs. Los Angeles Co. Flood Control Dist., Los Angeles, laying and ballasting 13 mi. standard gauge railroad track and surfacing 8 mi. roadway from Azusa to Forks site on San Gabriel dam, in Los Angeles.

British Columbia — See "Contracts Awarded."

Contracts Awarded

Kansas — Atchison, Topeka & Santa Fe R.R. Co., Topeka, H. W. Wagner, ch. engr. (Eastern Lines), grading 7 mi. track realignment near Mulvane, to Cameron-Joyce Co., Keokuk, Ia.

British Columbia—Canadian Pacific R.R., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., will replace 80 lb. rails with 100 lb. rails on 85 mi. track, here, by day labor. $900,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

La., Lake Charles—Police Jury Calcasieu Parish, election May 3, $500,000 bonds, extending existing port facilities.

Ill., Beardstown—Making plans and soon lets contract concrete seawall 31 ft. high along Illinois River, and dirt dykes and levees around city. $405,000. R. B. Maslin, city clk. Engineer not selected.

Que., Montreal — Dominion Government authorized loan of $12,000,000 to Harbor Comn. for harbor improvements.

Bids Desired

N. Y., New York—Apr. 22, by T. F. Farrell, comr. Canals & Waterways, State Pub. Wks. Bldg., Albany, dredging at Barge canal terminal, Piers 5 and 6, East River, here, Contr. M-31; adv. E. N.-R. Apr. 14.

Ia., Northwood—Apr. 19, at office Auditor Worth Co., open ditch work in D. D. 70, incl. 58,855 cu.yd. excav., etc. T. T. Teall, Northwood, co. engr.

Calif., Newport Beach—Apr. 25, by City Trustees, repairing present rubble mound jetty, constructing revetments, extending 500 ft. rubble mound jetty with alternate type construction using rein.-con. caissons, also constructing east jetty 1,000 ft. long, rubble mound, with alternate of rein.-con. interlocking sheet piling construction. P. Kressly, H. W. Hellman Bldg., Los Angeles, engr. Noted Mar. 3.

Que., Amherst — Apr. 20, by S. E. O'Brian, secy. Pub. Wks., Ottawa, Ont., dredging channel to wharf, here. $60,000. K. M. Cameron, Ottawa, Ont., engr.

Contracts Awarded

Ill., Alton — Hydraulic dredging and depositing 175,000 cu.yd. excav. from Mississippi River on New River Front Park, to La Crosse Dredging Co., La Crosse, Wis., and 405 Plymouth Bldg., Minneapolis, Minn., at $0.21 per cu.yd. Noted Mar. 10.

Minn., Duluth—City Comrs., to Connolly Constr. Co., 427 Rice St., St. Paul, excavating and removing 124,100 cu.yd. Point of Rocks, etc., of which 109,000 cu.yd. will be removed and deposited in breakwater at $3.85 per cu.yd., and 15,000 cu.yd. delivered to City Comn. for use in street work $3.25, total $480,000. Noted Dec. 30.

Tex., Brownsville — El Jardin Impvt. Dist. 5, Cameron Co., 160 mi. open, and 10 mi. pipe drains to serve 30,000 acres land, to Trinity Farm Constr. Co., Waxahachie, $559,323. Noted Mar. 17.

Calif., Proberta—A. L. Phillips, secy. El Camino Irrigation Dist., drilling and 12- to 16-in. casing wells 22, 23 and 24, to Parker Well Drilling Co., Red Bluff, $6,190; approximately 62,000 lin.ft. concrete irrigation pipe, to R. A. Dotson, Oroville, $32,052. Noted Mar. 10.

Streets and Roads

Proposed Work

N. H., Lancaster—Coos Co. plans grading and bituminous macadam paving 9,764 sq.yd. Gorham Hill Rd., 18 ft. $34,000. F. F. Hargraves, Concord, engr.

Mass., Randolph—Plans reconstructing and repairing 9 streets. $31,485 appropriated. Private plans.

Conn., Manchester—Made plans guttering and side walks on various streets. $40,000. J. F. Bowen, Town Hall, engr.

New York—Bureau Highways, Albany, plans widening and concrete paving 4 mi. Syracuse - Fayetteville Highway, 30 ft. Onondaga Co. $200,000. W. M. Acheson, Dept. Pub. Wks. Bureau State Highways, Syracuse, div. engr.

N. Y., Buffalo—Commissioner Pub. Wks. takes bids in May, widening and asphalt on concrete paving Franklin St. from Tupper to North Sts. $50,000. C. E. P. Babcock, Municipal Bldg., engr.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Boro Hall, rejected bids Mar. 3, grading and sheet asphalt paving Maspeth Blvd. Noted Feb. 24.

N. Y., Syracuse—Plans grading, curbing, and paving Hudson St. $30,000, Craddock St. $30,000, Sterling Ave. $36,000, South Geddes St. $100,000, Stinard Ave. $80,000, Euclid Ave. $33,000, Van Buren St. $32,000, and East Willow St. $27,000; also 18 in. sewer in Elmwood Park, $15,000. N. F. Pitts, Jr., city engr.

W. Va., Huntington—Barboursville Dist. election May 10, $275,000 bonds, improving roads in Cabell Co. J. M. Oliver, Huntington, co. engr.

W. Va., Middlebourne—Lincoln Dist. plans election $75,000 bonds, improving roads in Tyler Co. J. E. Smith, clk., county court.

Miss., Decatur — Newton Co. election Apr. 19, $225,000 bonds, improving East, West, North and South Highways across county.

Miss., Greenville—Washington Co. postponed taking bids Mar. 29, grading, and concrete paving 50,594 sq.yd. Federal Aid Project 59. $120,000. H. C. Dietzer, Jackson, engr. Noted Mar. 24.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys surfacing 15 mi. Selmer-Corinth Rd., State Route 5, McNairy Co. C. N. Bass, highway comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys grading, etc. 14 mi. Bartlett-Edas Rd., State Rd. 15, Shelby Co. C. N. Bass, highway comr.

Tenn., Nashville—Davidson Co. plans expending $398,000 during May, June and July, oiling, surfacing, etc. various roads. S. G. Marshall, Court House, co. supt.

Ky., Fulton — Plans paving various streets. To exceed $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

O., Akron—W. F. Peters, dir. Pub. Serv. soon takes bids grading, sidewalks and vitr. brick paving 31,215 sq.yd. East Exchange St., $199,000. E. A. Kemmler, Municipal Bldg., engr.

O., Cincinnati—Plans granite block repaving 700 cu.yd. McMicken Ave., $37,502; sheet asphalt repaving 16,000 sq.yd. and concrete repaving 33,000 sq.yd. Erie Ave. from Madison Rd., to Delta Ave., $227,275; concrete repaving 49,000 sq.yd. Erie Ave. from Madison Rd., to Delta Ave., $220,675; also rock asphalt repaving 16,000 sq.yd. and concrete repaving 33,000 sq.yd. Erie Ave. from Madison Rd., to Delta Ave., $216,875. C. O. Sherrill, city mgr.

O., Columbus—Made plans grading, curbing and paving 680 sq.yd. Brynhild Rd., asphalt $8,400, asphaltic concrete $6,200; grading, curbing, widening and paving, etc. 4,620 sq.yd. Parsons Ave. asphalt $29,200; also grading, curbing and 20,920 sq.yd. paving Buelah Rd., Westgate Ave. and Siebert St., brick $113,900 asphalt $96,100.

O., Millersburg—Holmes Co., plans grading and paving 2.9 mi. Shreve-Kilbuck Rd. $34,000. K. Snyder, Court House, co. surv.

O., Salem—Bd. Control soon takes bids probably asphalt resurfacing, New Garden St. $25,000.

Ill., Ashton — Plans grading, curbing, rein.-con., vitr. brick on concrete or vibrolithic concrete paving 15 blocks various streets. $60,000. J. Hey, Sycamore, engr.

Ill., Decatur—Plans widening, curbing, and asphalt resurfacing 2,414 ft. South Oakland St., 32 ft. $38,441. M. P. O'Brien, City Hall, engr.

Ill., Decatur—Plans grading, curbing and asphalt paving 11 blocks North Woodford St., $48,000; and 6 blocks East Condit St. $30,000, both 24 ft. M. P. O'Brein, City Hall, engr.

Ill., Evanston—City and Cook Co. plans concrete paving 1 mi. Demster St., 40 ft. $200,000. A. Loag, City Hall, engr.

Ill., Peoria—Plans grading, curbing, concrete and asphalt paving 6 blocks Laura Ave., West Wilcox and Maple Sts. $40,557. W. E. Backes, City Hall, engr.

Ill., Peoria—Plans grading, curbing and concrete paving 3 blocks West Gift Ave., 24 ft., $33,936, 8 blocks Goodwin St., 28 ft., $31,639; and 6 blocks Warren St., 30 ft., $32,547. W. E. Backes, City Hall, engr.

Ill., Rockford—Plans grading, curbing and concrete paving 8 blocks 2 alleys, North Gardiner Ave., Ogilby and Houghton Sts. $40,000; grading, curbing, rein.-con. paving 9 blocks 22nd Ave., 31 ft., $49,000. B. C. Harvey, City Hall, engr.

Ill., Rockford—Plans grading, curbing and rein.-con. paving 32 blocks 10 various streets, $167,150; also grading, curbing,

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Streets and Roads (Continued)

macadam and paving Hollister Ave., and rein.-con. paving, etc. Cottage Grove Ave., $30,000. B. C. Harvey, City Hall, engr.

Ill., Rock Island—Plans grading, curbing, concrete paving and asphalt repaving 6 blocks 37th St. and 7th Ave. $40,000. W. Triechler, Court House, engr.

Ill., Sublette — Election soon $40,000 bonds, graveling 13 mi. Township Highways, 12 ft. F. Leake, Court House, Dixon, co. engr.

Wis., Cudahy—Making plans paving, etc. 63,000 sq.yd. Van Norman, Armour, Cudahy, Munkwitz, Underwood, and Allerton Sts. $160,000. R. A. Steinhagen, 845½ 38th St., Milwaukee, engr.

Ia., Cedar Rapids—Making plans curbing, guttering, and 6 in. concrete paving 22,765 sq.yd. various streets. R. W. Gearhart, city engr.

Kan., Fredonia—Plans grading, graveling, etc., 6.882 mi. Federal Aid Project 373-A, 28 ft. E. C. Baity, Fredonia, co. engr.

Kan., Fredonia—Soon takes bids grading, graveling, etc., also two 20 ft. spans slab bridges 24 ft. wide, on Federal Aid Project 373-A, 28 ft. E. C. Baity, Court House, engr.

Kan., Newton — Harvey Co. soon takes bids grading and brick on concrete paving 3.643 mi. Federal Aid Project 329-B, and 0.303 mi. Federal Aid Project 189-A, 18 ft. R. J. Justice, Court House, engr. Noted Mar. 10.

Kan., Olathe—Johnson Co. soon takes bids grading and brick on concrete paving 2.941 mi. Federal Aid Project 315-D, 18 ft. S. P. Eberhart, Court House, engr.

Kan., Olathe—Johnson Co. plans grading, concrete or brick surfacing, etc. 4.508 mi. Federal Aid Project 360-A, 18 ft.; and grading, etc. 2.977 mi. Federal Aid Project 315-D, 30 ft. S. P. Eberhardt, Olathe, engr.

Kan., Winfield—Making preliminary plans grading, curbing, rein.-con. paving, etc. 7 blocks Gary St.

Neb., Wausa—Making preliminary plans various types surfacing approximately 9,800 sq.yd. various streets in business district. Rohrbough Eng. Co., 721 Omaha Loan & Building Assn. Bldg., Omaha, engrs.

Neb., Westpoint — Making preliminary plans grading, curbing and concrete paving various streets. $25,000 up. Nixon & Reynolds, 305 Omaha Grain Exch. Bldg., Omaha, engr.

Neb., Winside—Making preliminary plans alternate types paving, etc. 24 blocks various streets. Rohrbough Eng. Co., 721 Omaha Loan & Building Assn. Bldg., Omaha, engrs.

Mo., Marshfield—Takes bids about Apr. 15, 6 in. concrete paving, etc. approximately 20,000 sq.yd. various streets. Russell & Axon, McDaniels Bldg., Springfield, engrs.

Ark., Prescott — Making preliminary plans grading, curbing, concrete paving, etc., 15 blocks Street Paving Dist. 2.

Tex., Anahuac—Chambers Co. plans election, $500,000 bonds, hard paving 40 mi. main unpaved roads. Address R. L. Miller, Anahuac, co. judge.

Tex., Ft. Stockton—Pecos Co. defeated $200,000 bonds, asphalt paving, etc., various roads. J. Stovall, San Angelo, co. engr. Noted Mar. 24.

Tex., Harlingen—Election Apr. 27, $140,000 bonds, paving and sewers in various streets. D. W. Shulbach, city secy.

Tex., Linden—Cass Co. takes bids latter part of this month, waterbound macadam paving 7.44 mi. Highway 8 from Linden south to Marion Co. line $140,000, 7.44 mi. same road extending north from here $114,000, and 5.64 mi. same road extending south from Douglasville $97,300; also grading and concrete bridging 9 mi. Highway 48, $140,000. F. E. Hess, Linden, co. engr.

Tex., Lubbock — Lubbock Co. cancelled contract grading, bridging, etc. 14.468 mi. Highway 53, State Aid Project 716. $74,000. Noted Mar. 17.

Tex., Plemons — Hutchinson Co., election Apr. 16, $1,250,000 bonds, hard paving 80 mi. main unpaved highways. Address W. R. Foodwin, Plemons, co. judge.

Tex., Seymour—Baylor Co. takes bids latter part April, bituminous surfacing 13.67 mi. Highway 30. $106,000. J. C. Rollins, Seymour, engr.

Okla., Ada—Plans grading, curbing and vertical fibre brick resurfacing 20,000 sq. yd. Main St. $42,000. H. S. Darlington, Ada, engr.

Okla., Anadarko—Caddo Co. made surveys improving 107 mi. various roads. $1,125,000. J. M. Page, Capitol Bldg., Oklahoma City, highway engr. Noted Feb. 17.

Okla., Barnsdell — Plans grading, curbing and concrete paving 6,700 sq.yd. Cedar St. $26,000. T. J. Casey, Barnsdell, engr.

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Okla., Billings — Making preliminary plans grading and concrete paving 10,400 sq.yd. Main St. $32,000. P. Ford, mayor. Engineer not selected.

Okla., Chandler—Lincoln Co. voted $1,200,000 bonds, improving 103 mi. various roads, 30 ft. J. M. Page, Capitol Bldg., Oklahoma City, engr. Noted Mar. 10.

Okla., Drumright—Plans grading, curbing and concrete paving 7,400 sq.yd. in Dist. 4, $29,700. Peckham & James, 225½ West Grant St., Oklahoma City, engrs.

Okla., Oklahoma City — Plans grading, curbing, guttering and sheet asphalt paving 5,070 sq.yd. Francis St. $26,010. B. M. Hart, City Hall, engr.

Okla., Oklahoma City — Plans grading, curbing and sheet asphalt paving 5,410 sq.yd. South Walker St. $37,000. B. M. Hart, City Hall, engr.

Okla., Ponca City—Plans grading, curbing and concrete paving 13,700 sq.yd. North 1st St., $46,400; and 14,460 sq.yd. 7th and 9th Sts., $47,340. A. E. Jones, Ponca City, engr.

Okla., Shawnee — Plans vertical fibre brick paving 30,750 sq.yd. Bway., Main and 3rd Sts. $61,800. F. D. Brown, Shawnee, engr.

Okla., Shidler—J. C. Ifland, city clk., rejected bids Mar. 22, concrete paving 5,300 sq.yd. in Dist. 3, 1,000 sq.yd. in Dist. 4, and 7,840 sq.yd. Cosden Ave. Will readvertise. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Mar. 17.

Okla., Tecumseh — Pottawatomie Co. made plans gravel surfacing 75,000 cu.yd. roads. $60,000. F. D. Brown, Shawnee, engr.

Okla., Tulsa—Plans grading, curbing and sheet asphalt paving 8,135 sq.yd. 4th St., $33,210; and 7,740 sq.yd. Gary Pl., $25,000. C. Schultz, City Hall, engr.

Wash., Seattle—Made plans paving in Denny Hill regrade area. $183,000. W. C. Morse, Seattle, engr.

California—State Hy. Dept., Sacramento, plans widening, etc. roadway between Pasadena and San Bernardino, Los Angeles Co., to exceed $500,000; also widening and resurfacing approximately 15 mi. roadway between Lerdo and Delano, Kern Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Banning — T. Backus, city clk. plans curbing, walks, guttering and 5 in. concrete paving Hays St., etc. To exceed $25,000.

Calif., Colton—Plans concrete paving approximately 200,000 sq.ft. F, G and H Sts. C. A. Hutchinson, city engr.

Calif., Healdsburg—Plans curbing, walks and paving, etc. University and 1st Sts., etc. To exceed $25,000. J. B. Piatt, Santa Rosa, engr.

Calif., Los Angeles—Plans curbing and 6 in. concrete paving 95,347 sq.yd. Rowena Ave. and Avocado St.; also 85,865 sq.ft. 12th St. and Mullen Ave. J. Shaw, city engr.

Calif., Los Angeles—Plans curbing, walks and 8 in. concrete paving 45,030 sq.ft. Allesandro St.; curbing, walks, widening and paving, etc. Temple St. between Bway. and Park View St.; also curbing, guttering, walks and Willite paving Soto St. between Whittier Blvd. and Marengo St. J. Shaw, city engr.

Calif., Monterey Park — Plans walks, curbing, and paving, etc. portions Orange, Sefton and East Mable Aves. To exceed $25,000.

Calif., San Diego—Common Council rejected bids Mar. 28, improving Georgia St. Noted Mar. 17.

Calif., San Luis Obispo — Made plans grading, Warrenite bitulithic on 2½ in. asphalt paving, etc., 815,000 sq.ft. various streets in Morro Beach. C. C. Kennedy, Call Bldg., San Francisco, engr.

Calif., South Pasadena (Ind. br. Pasadena)—Plans grading, 3 in. rock and oil surfacing, and asphaltic concrete paving Oak Lawn Ave., and Fremont Lane, etc. To exceed $25,000.

Calif., Ventura—Ventura Co. plans paving approximately 4½ mi. Telegraph Rd. C. Petit, Ventura, co. surv.

Ont., Cornwall—Plans concrete curbing, guttering and macadam or concrete paving 5,000 sq.yd. 1st, 3rd, York and Water Sts. $25,000. Work will probably be done by day labor. W. H. Magwood, Cornwall, engr.

Ont., Hamilton—Plans asphalt on concrete paving Roxborough Ave. from Glendale St. to Toronto, Hamilton & Buffalo Ry. tracks $2,770, and Fairfield Ave. $23,655. W. L. McFaul, City Hall, engr.

Ont., Hamilton—Plans concrete curbing, guttering and sheet asphalt on concrete paving 7,500 sq.yd. Newlands Ave. and Cope St. $31,675. W. L. McFaul, City Hall, engr.

Ont., Sandwich—Council plans concrete paving 5 mi. Leamington Sideroad, Mersea Twp. $75,000. W. H. Knister, County Bldgs., engr.

Ont., Toronto—York Co. plans maintenance and constructing new roads, $49,500; asphalt and macadam paving suburban roads, $18,000. R. W. Phillips, 57 Adelaide St. E., clk.

B. C., Trail—Takes bids about Apr. 21, concrete or asphaltic concrete paving 26,680 sq.yd. various streets. $100,000 bonds voted. G. G. McDiarmid, City Hall, engr. Noted Mar. 24.

Bids Desired

New Hampshire—Apr. 15, by State Hy. Dept., Concord, rein.-con. paving 1.16 mi. highway, Salem Co.; graveling 2.36 mi. highway, Shelburne Co.; asphalt paving 0.57 mi. highway, Hampton Co.; and bituminous macadam paving 1.11 mi. highway, Lancaster Co.

Massachusetts—Apr. 20, by Dept. Pub. Wks., Boston, bituminous macadam paving 4,250 ft. highway in Plymouth, 1,438 ft. in Sharon, 7,600 ft. in Ayer and Shirley, and 1,050 ft. highway in Canton. W. F. Williams, comr.

Massachusetts—See "Railways."

Mass., Boston—Apr. 21, by Dept. Pub. Wks., sheet asphalt or bitulithic paving portions various streets in Ward 22. $25,000. J. H. Sullivan, cmr.

Mass., Brookline (br. Boston)—Apr. 18, by Bd. Selectmen, sheet asphalt on bituminous macadam paving, South St. between Newton and Grove Sts. $25,000. Private plans.

Conn., East Haven (br. New Haven)—Town taking bids (invitation) new street between Hemingway and Coe Aves. $35,000.

New York—Apr. 29, by A. W. Brandt, comr. Highways, Albany, improving highways in Cayuga, Oswego, Erie, Genesee, Niagara and Saratoga Counties; also reconstructing highways in Albany, Broome, Erie, Essex, Herkimer, Jefferson, Livingston, Monroe and Oswego Counties; adv. E. N.-R. Apr. 14.

New York—May 3, by Bd. Hudson River Regulating Dist., 44 Howard St., Albany, grading and graveling 9.1 mi. highway in Day and Hadley, Contr. 1; 7.2 mi. road in Day and Edinburg, Contr. 2; also grading 9 mi. roads in Hadley, Day and Edinburg, all above in Saratoga Co. E. H. Sargent, ch. engr.; adv. E. N.-R. Apr. 14. Noted Mar. 17 under "Conklingville."

N. Y., Brooklyn—Apr. 20, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading and sheet asphalt on concrete paving Rockaway Parkway, Perry Terrace, Prospect Park Southwest, Colonial Rd., Elmore Pl., Avenues T, R, I, K and T, Lott, Ovington, Schenectady, 7th, Marine and 9th Aves., East 8th, East 9th, East 26th, 82nd, West 13th, 63rd, 81st, 93rd, East 10th, East 2nd, East 3rd, East 8th, East 12th, East 37th, East 94th, Elton, 64th, 66th, 71st, 75th, 76th, and 81st Sts.; grading Ave. T, Scott, Creamer, and West 6th Sts.

N. Y., Long Island City—Apr. 19, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, sidewalks, etc., Tompkins Pl.; grading, curbing, guttering and sheet asphalt on concrete paving 4th, 18th, Firth, Richard and Woodside Aves., Weil and Tesla Pls., 75th, 78th, 87th, 106th (49th), 134th, 11th (Boulevard) Sts.

N. Y., Long Island City—Apr. 21, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading and sheet asphalt on concrete paving Central (Cooper) and Griffith Aves.

N. Y., New York—Apr. 18, by J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and granite block repaving Cherry St.; and granite block paving, etc., 12th Ave.

N. Y., New York—Apr. 22, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing, sidewalks, etc., Wilkinson, Edison, Blondell and Powell Aves.; also bituminous concrete on concrete paving East 169th St.

N. Y., St. George — Apr. 20, by J. A. Lynch, pres. Richmond Boro, Boro Hall, stone block on sand repaving Murry Hulbert St.; also grading, Cornell and Lawrence Aves.

New Jersey—May 2, by State Hy. Comn., Trenton, grading and 8 in. double line rein.-con. paving 89,037 sq.yd. Route 8, Sect. 10, Verona-Passaic River, near Singac, Essex and Passaic Counties. A. L. Grover, secy.; adv. E. N.-R. Apr. 14.

N. J., New Brunswick—Apr. 21, by Bd. Freeholders Middlesex Co., concrete paving 6,292 ft. road at Carteret, 5,400 ft. in South Plainfield, and rein.-con. bridge over south branch Raritan River, Woodbridge

Streets and Roads (Continued)

Twp., W. F. Buchanan, 175 Smith St., Perth Amboy, engr. Noted Mar. 24.

Pa., Emsworth (mail Pittsburgh)—Apr. 20, by Controller Allegheny Co., Court House, Pittsburgh, widening, brick on rein.-con. paving, eliminating grade crossing, etc. 7,863 ft. Beaver Rd., 18 and 27 ft. $150,000. County Bureau Engineering, 519 Smithfield St., engrs.

Md., Baltimore—Apr. 20, by Bd. Awards, concrete paving 10,360 sq.yd. streets listed Contr. 401; and sheet asphalt paving 11,690 sq.yd. streets listed Contr. 400. S. Purcell, City Hall, highways engr.

Ala., Birmingham — May 12, by City Comm., curbing, guttering, sidewalks and 2 in. asphalt on 5 in. concrete paving 4 blocks 1st Ave. S., $37,000; 2 in. asphalt on 6 in. concrete paving 3 blocks 25th St., $23,200; curbing, guttering, sidewalks and 2 in. asphalt on 5 in. concrete paving 3 blocks 3rd St. W., $15,700; curbing, guttering, sidewalks and 7 in. concrete paving 3 blocks 6th St. W. and 4th Court W., $21,450; 2 in. bitulithic on 6 in. concrete paving 3 blocks 4th Ave. W., $20,850; cement sidewalks on 12 blocks 32nd St. S., $6,575; 4 ft. cement sidewalks on 2 blocks, 5th Ave. S., $670. A. J. Hawkins, city engr.

Miss., Holly Springs — Apr. 27, by Bd. Supervs. Marshall Co., improving 13.588 mi. Federal Aid Project 66-C, 143,164 cu.yd. excav., 1,720 ft. 18 in. pipe, 1,166 yd. concrete, 111,500 lb. reinforcing, 5.96 mi. Bermuda sod, also 2,772 ft. untreated and 77,302 ft. creosoted lumber, 2,792 ft. creosoted piling, etc. for bridges. H. C. Dietzer, Jackson, engr.

Miss., Jackson—Apr. 22, by Bd. Supervs. Hinds Co., improving 7.575 mi. Jackson-Vicksburg Highway, Federal Aid Project 184-B, 50,616 cu.yd. excav., 31,428 cu.yd. borrow, 140 ft. 18 in. pipe, 1,447 yd. concrete, 151,575 lb. reinforcing, 2,560 ft. piling and 195 ft. concrete hand rail. H. C. Dietzer, Jackson, engr.

Miss., Meridian—Apr. 20, by Bd. Supervs. Lauderdale Co., improving 7.949 mi. Federal Aid Projejct 192-A, 56,804 cu.yd. excav., 665 cu.yd. yd. borrow, 885 ft. 18 in. culvert pipe, 38,552 lb. reinforcing, 3.7 mi. Bermuda sod, etc. H. C. Dietzer, Jackson, engr.

Miss., Oxford—Apr. 26, by Bd. Supervs. Lafayette Co., improving 2.065 mi. Federal Aid Project 66-D, 29,475 cu.yd. excav., 305 ft. 18 in. culvert pipe, 13,193 lb. reinforcing, 4,302 yd. gravel 1 mi. haul, 4,692 units ½ mi. haul, 19,380 sq.yd. mixing gravel and binder, 770 ft. guard rail, also 20,892 ft. creosoted lumber, etc. for bridges. H. C. Dietzer, Jackson, engr.

Miss., Ripley — Apr. 28, by Bd. Supervs. Tippah Co., improving 4.329 mi. Federal Aid Project 173-C, 18,006 cu.yd. excav., 35,956 lb. reinforcing, 63,070 lb. structural steel, 373 ft. 18 in. pipe, 8,991 yd. gravel 1 mi. haul, 21,998 units ½ mi. overhaul, 40,635 sq.yd. mixing gravel and clay binder, 43,119 ft. creosoted lumber, etc. H. C. Dietzer, Jackson, engr. Noted Feb. 11.

Ky., Paducah—Apr. 28, by City, at office Bd. Pub. Wks., City Hall, grading, curbing, guttering and paving 33,985 sq.yd. various streets, Contrs. 2, 3, 4 and 5. E. R. Bradshaw, city engr.; adv. E. N.-R. Apr. 14. Noted Mar. 17.

O., Cincinnati—Apr. 22, by Comrs. Hamilton Co., grading and asphaltic macadam repaving 25,000 sq.yd. Lockland Rd., $72,335; also grading and tar bound macadam repaving, etc. 13,500 sq.yd. Madisonville Rd., $33,370. E. A. Gast, Court House, engr.

O., Dayton—Apr. 15, by G. F. Baker, dir. Pub. Serv., rein.-con. or asphalt on concrete paving Overlook and Elliott Sts., also rein.-con. paving 7 alleys. $35,000. J. F. Hale, city engr.

O., Jackson—Apr. 22, by T. J. Farrar, serv. director, grading and paving, etc., 1¼ mi. Vaughn, Morton, South and High Sts., etc. $27,000. Noted Dec. 9.

Ind., Anderson—Apr. 15, by Bd. Comrs. Madison Co., constructing C. E. Wilson Rd. $32,374. Adolph G. Nessler Rd. $10,677, and Charles Kirchenbauer Rd. $7,592, all in Anderson Twp. C. Forkner, aud.

Ind., Evansville—Apr. 18, by Comrs. Vanderburgh Co., asphaltic concrete paving Locust Hill Rd. $29,929. S. Bell, Evansville, engr.

Ind., Evansville—Apr. 18, by Bd. Comrs. Vanderburgh Co., improving Locust Hill Rd., Pigeon Twp. $29,929. S. Bell, Evansville, aud.

Ind., Indianapolis — Apr. 18, by Bd. Comrs. Marion Co., Court House, concrete paving 1.07 mi. highway in Perry Twp., $30,294; improving 5.43 mi. Mars Hill Rd., $120,734, also Bridges 791, 792, and 793 on same road $19,632. H. Dunn, aud.

Ind., Indianaplis—Apr. 18., by Comrs. Marion Co., bituminous macadam paving and 6 bridges on 5.43 mi. Spring Valley Rd., $142,500; and concrete paving 10,669 sq. yd. Koester Rd., $30,294. H. Campbell, Court House, engr.

Ind., Tell City—Apr. 26, by City Council, paving approximately 50,000 sq. yd. various streets. L. L. McCormick, 2511 North 8th St., Terre Haute, engr.

Michigan—Apr. 26, by W. W. Lavers, resident engr., Plymouth, concrete paving 61,785 sq.yd. F. A. 212, Sect. B, State Project 050—16, Sect. A, 20 ft., Macomb Co., for State Hy. Dept., Lansing.

Mich., Birmingham — Apr. 18, by H. Lawler, village clk., concrete curbing, guttering and concrete paving 9,340 sq.yd., and concrete or sheet asphalt on concrete paving 16,280 sq.yd. various streets.

Mich., Detroit — Apr. 21, by Comrs. Wayne and Oakland Counties, 14380 Wyoming Ave., concrete paving 4.995 mi. A. D. 473, 20 and 40 ft. C. H. Brown, 243 Eastlawn St., engr.

Mich., Grand Haven—Apr. 21, by Bd. Comrs. Ottawa Co., concrete paving 3¼ mi. Assessment Dist. Rd. 13, Park Twp.; and 1 mi. Alpena Rd.

Mich., Mt. Clemens—Apr. 20, by Bd. Road Comrs. Macomb Co., Court House, surfacing 2.02 mi. Special Assessment Dist. 114; and 6 mi. Road 97, both Warren Twp.; 2.95 mi. Road 111, Richmond Twp.; and 1.09 mi. Road 96, Chesterfield Twp.

Mich., St. Johns—Apr. 20 by Bd. Rd. Comrs. Clinton Co., graveling 11.5 mi. Assessment Dist. Rd. 24.

Ill., Cameron—Coldbrook Twp. Warren Co. taking bids furnishing, heating and spreading 8 cars road oil on various streets. A. C. Harvey, Cameron, comr.

Ill., La Grange Park (La Grange, P. O.) —Apr. 20, by Board Local Impvts., A. W. Gilbert, pres., paving Richmond, East Harding and Waiola Aves., etc; sewers and water mains in Waiola Ave, etc.

Ill., Little York—Sumner Twp. Warren Co. taking bids furnishing, heating and spreading 5 cars road oil on various streets. G. Stevens, highway comr.

Wis., Antigo—Apr. 19, by State Hy. Comn., F. M. Sergeant, div. engr., Court House, grading and concrete paving, etc. 50,108 sq.yd. Federal Aid Project 20-S; 95,440 sq.yd. State Project 7,762; and 84,402 sq.yd. State Project 7,761, all Langlade Co. Noted Dec. 2.

Ia., Cherokee—Apr. 20, at office Auditor Cherokee Co., improving 6 mi. various roads, 61,909 cu. yd. excav., 70,000 sta. yd. overhaul, etc. P. L. Collins, Cherokee, co. engr.

Ia., Clarion—April 19, by Auditor Wright Co., improving 7.78 mi. Federal Aid Project 267-B and D, 77,889 cu.yd. excav., 384 ft. 15 and 24 in. culvert labor, 25,000 yd. overhaul, 3,734 ft. 6- to 12-in. tile drain, etc. J. K. Hilton, Clarion, co. engr.

Ia., Clarion—Apr. 19, at office Auditor Wright Co., grading, etc., 7.78 mi. Federal Aid Project 267-B and D.

Ia., Council Bluffs—Apr. 25, by City, c/o J. B. Jenkins, city clk., paving 26,096 sq. yd. various streets.

Ia., Cresco—Apr. 21, at office Auditor Howard Co., grading, etc., 23,482 cu.yd. county road. L. Brown, Cresco, co. engr.

Ia., Rock Rapids—Apr. 19, at office Auditor Lyon Co., grading 4.98 mi. Primary-Secondary Project S-143, and 3.01 mi. Primary-Secondary Project S-102; graveling 8,125 cu.yd., Granite-Larchwood Rd., 81,400 units overhaul, 6,250 cu.yd. Ellsworth Rd., 19,375 units overhaul and 5,000 cu. yd. stripping, 8,125 cu.yd., Alvord-Rock Valley Rd., 79,375 units overhaul and 4,500 cu.yd. stripping, also 4,250 cu.yd. Klondike East Rd., 21,375 units overhaul and 4,000 cu.yd. stripping. R. H. Fuller, Rock Rapids, co. engr.

Ia., Sioux City—Apr. 19, at office Auditor Woodbury Co., grading, etc., 122,663 cu. yd. Oto-Danbury Rd. J. C. McLean, Sioux City, co. engr.

Minn., Duluth—Apr. 22, by F. W. Borgen, aud. St. Louis Co., one course concrete paving 36,000 sq.yd. Trinity Rd. $125,000. R. W. Acton, Duluth, co. engr. Noted Nov. 25.

Minn., Worthington—Apr. 19, by C. J. Kall, aud. Nobles Co., graveling 24.4 mi. Job 2701, State Aid Rd. 16, $25,000. E. Keeler, Worthington, engr.

Kan., Concordia — Apr. 22, by Clerk Cloud Co., grading 5.846 mi. Federal Aid Project 67-A, also one 37½ ft. I-beam extension on same road. L. T. Dudley, Concordia, co. engr.

Kan., Girard—May 10, by Clerk Crawford Co., grading, chats surfacing, etc. 3.907 mi. Federal Aid Project 347-B, 28 ft., 11,130 ft. hedge, 960 ft. guard fence, 17,742 lb. reinforcing, etc. J. H. Ludlow, Girard, co. engr.

Kan., Lawrence — Apr. 30, by Clerk Douglas Co., grading, concrete or bituminous filled brick on concrete paving, etc. 4.209 mi. Federal Aid Project 273-C, 18 ft. $253,000. E. E. Trueblood, Court House, engr. Noted Mar. 24.

North Dakota—Apr. 20, by State Hy. Comn., Valley City, graveling, etc., 120,051 cu.yd roads north and south of Oakes, Dickey Co.; and 5.9 mi. roads east of Valley City, Barnes Co. A. G. Sorlie, chn. highway comn.

North Dakota—Apr. 22, by State Hy. Comn., Minot, graveling, etc., approximately 199,213 cu.yd. various roads. A. G. Sorlie, chn. highway comn.

North Dakota—Apr. 23, by State Hy. Comn., Devils Lake, grading and graveling 5,948 cu.yd. road from Minot, Emmons Co., to Ardock, Walsh Co. A. G. Sorlie, chn. highway comn.

N. D., Stanley—Apr. 22, by State Hy. Comn., Minot, grading and graveling 2,789 cu.yd. state roads, here. A. G. Sorlie, Bismarck, chn. highway comn.

Mo., St. Louis—May 3, by Bd. Pub. Serv., 208 City Hall, amiesite paving, etc., 3,260 sq.yd. Clara Ave., $18,480; asphalt paving, etc. 6,255 sq.yd. Eugenia St., $41,080; asphaltic concrete paving, etc. 2,395 sq.yd. Anderson Ave. $15,280, and 1,745 sq.yd. Marmaduke St. $11,800; concrete paving, etc. 2,130 sq.yd. Pennsylvania Ave. $7,600, 830 sq.yd. Christian St. $5,000, and 1,570 sq.yd. Oberbeck St. $8,400. W. W. Horner, 300 City Hall, engr.

Tex., San Antonio — Apr. 22, by A. C. Pancoast, engr., Court House, asphalt paving 32 mi. roads in Precincts 2 and 4, 18 and 20 ft., for City. $136,000.

Washington — Apr. 26, by State Hy. Comn., Olympia, **(S.R. means State Road)**, grading, etc. 122,800 cu.yd. S.R. 9, Jefferson Co.; crushed rock surfacing, etc. 25,000 cu.yd. S.R. 3, Whitman Co., and 29,210 cu.yd. S.R. 8, Yakima Co.; crushed rock or graveling, etc. 74,320 cu.yd. S.R. 3, Spokane Co.; graveling, etc. 3,550 cu.yd. S.R. 6 Oreille Co., and approximately 16,250 cu.yd. S.R. 3, Benton and Yakima Counties; also grading, and bridging S.R. 1, between King Co. Line and Tacoma, Pierce Co. J. W. Hoover, state highway engr.

Wash., Ellensburg—Apr. 22, by Comrs. Kittitas Co., grading, crushed graveling, etc. 11,250 cu.yd. Permanent Highways 12-A and B. W. T. Bowman, Ellensburg, co. engr.

Calif., Los Angeles—Apr. 25, by Supervs. Los Angeles Co., grading, curbing, guttering and 6 in. concrete paving 68,639 sq.ft. portion Seville Ave., Co. Impvt. 337. G. W. Jones, Hall of Records, engr.

Calif., Los Angeles—See "Railways under California."

Calif., San Carlos—City Trustees taking bids grading, surfacing and 3 in. asphaltic concrete on 6 in. waterbound rock macadam paving 180,000 sq.ft. Cypress Ave., Alameda de la Pulgas Rd. G. A. Kneese, Courthouse, Redwood City, engr. Noted Apr. 7.

Calif., San Diego—Apr. 25, by Common Council, grading, curbing, and 7 in. concrete paving 33,924 sq.ft. West Atlantic St., etc.; 6 in. concrete paving 22,308 sq.ft. and asphaltic concrete paving 115,874 sq.ft. Long Branch Ave; 6 in. asphaltic concrete paving, etc. 211,798 sq.ft. Logan Ave. A. H. Wright, city clk.

Calif., Santa Cruz—S. A. Evans, city clk., taking bids grading and 5 in. concrete paving 94,000 sq.ft. Ocean St. between Plymouth St. and north city limits. J. K. James, city engr.

Ontario — Apr. 19, by C. H. Fullerton, engr., Parliament Bldgs., Toronto, concrete, asphaltic concrete, mixed macadam, or bituminous penetration macadam paving 7 mi. road between North Bay and Callander, Nipissing Dist., for Province of Ontario, Northern Development Branch. $150,000.

Ont., London—Apr. 25, by C. Talbot, engr. County Bldg., paving various roads for Middlesex Co. Former bids rejected. Noted Mar. 31.

Ont., Niagara Falls—Apr. 20, by J. H. Jackson, Queen Victoria Niagara Falls Park Comn., asphaltic macadam (mixed method) paving 3 mi. Parkway in Willoughby and Bertie Twps. $60,000. J. H. Jackson, engr.

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Streets and Roads (Continued)

Que., Caughnawaga—Apr. 20, by J. L. Boulanger, deputy minister of highways, Dept. Roads, Quebec City, waterbound macadam paving 23,349 ft. St. Isidore Junction, 20 ft., here.

B. C., Trail—Apr. 20, by City Council, concrete paving 27,000 sq.yd. various streets. $100,000. S. S. McDiormid, City Hall, engr.

Contracts Awarded

Mass., Brookline (br. Boston) — Town, Street Dept., repairing and constructing coal tar, concrete sidewalks, driveways, street crossings, gutters, etc., for ensuing year, to H. T. Armington, Inc., 26 Salisbury Rd. Engrs. est. to exceed $25,000. Noted Mar. 31.

Mass., Everett (Boston P. O.)—Bd. Pub. Wks., 12,000 sq.yd. granolithic sidewalks on various streets, to Bond Bros., 79 Ferry St.; and granite edgestones, to H. E. Fletcher Co., West Chelmsford. Noted Feb. 24.

Conn., New Haven—Bituminous macadam and asphalt paving State and Church Sts., to Connecticut Natl. Paving Co., 173 Orange St., $28,550 and $16,810 respectively; Willow St., to Clark-Barrone Co., Oak and Wight Sts., $37,025; Temple and Elm Sts., to C. W. Blakeslee & Sons, 68 Waverly St., $83,330 and $57,560 respectively. Grand total $223,275.

N. Y., Buffalo—Widening and asphalt resurfacing Seneca St. from Elk St. to city line, to Rock Asphalt Co., Morgan Bldg., $201,199.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading Hunterspoint Ave. and Waldron St., to Welsh Bros. Contg. Co., 14 Queens St., Flushing, $64,955 and $5,987 respectively; Amstel Blvd., to Sprague Constr. Co., Mott Ave., Far Rockaway, $111,655; and 88th Ave., to Peace Bros., 57 Lawrence St., Flushing, $2,920. Grand total $185,427. Noted Feb. 24.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, etc. 56th St., to Stanhy Constr. Co., Steinway Ave., $2,001; and sheet asphalt paving Beach Channel Dr., to Sprague Constr. Co., Mott Ave., Far Rockaway, $39,911. Noted Mar. 24.

N. Y., New York—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., grading yard site at 207th St. Yard, to Riverdale Contg. Corp., 100 East 45th St., $256,150. Noted Mar. 24.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Prince St. and Maple Ave., to J. E. Donovan Paving Co., 2205 Richmond Terrace, Port Richmond, $8,349 and $15,837 respectively. Noted Mar. 31.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete paving Harrison Ave., to J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $24,138; sewer in Kissam Ave., to J. Johnson Sons, 445 Bway., West New Brighton, $4,254. Noted Mar. 17.

N. J., Freehold—Bd. Freeholders Monmouth Co., rein.-con. paving 1.87 mi. Atlantic Highlands-Locust Point Rd., to E. T. McNierney, Bradley Beach, $88,582. Noted Mar. 24.

N. J., Jersey City—Bd. City Comrs., repaving Exchange Pl., to Lettiere-Bellezza Co., 40 Journal Sq., $45,750.

N. J., Plainfield—Union Co. (Elizabeth), paving 9,220 sq.yd. 7th St., to J. F. Burke, 309 Park Ave., $193,901. Noted July 22.

Pennsylvania—State Hy. Com., Harrisburg (**R. means Route and A. means Application**) rein.-con. paving, etc., 45,048 sq. yd. A. 4475, Northampton Co., to Souder Constr. Co., Lancaster, $161,192; 20,444 sq.yd. A. 4428, Berkes Co., to F. C. Bover, Lebanon, $112,430; 7,687 sq.yd. R. 510, Sect. 2, A. 4448, Carbon Co., to Pratt & Moore, Inc., Hollidaysburg, $39,391; 23,578 sq.yd. A. 4426, Berkes Co., to Kutztown Constr. Co., Kutztown, $89,043; and 13,160 sq.yd. A. 2188, Luzerne Co., to D. W. Davis & Sons, Kingston, $72,670. Grand total $474,726. Noted Mar. 31.

Pa., Pittsburgh—C. McGovern, controller Allegheny Co., paving superstructure Bridge 9, and north approach (Point Bridge) over Monongahela River, to M. O'Herron Co., South McKean St., $51,072. Engrs. est. $60,000. Note Mar. 24 under "Bridges."

Delaware — State Hy. Dept., Dover, widening 9.91 mi. Maryland (Elkton) State Rd., Contr. 79, to George & Lynch, Dover, $77,718. Noted Mar. 31.

Md., Baltimore—Bd. Awards grading and concrete paving alleys listed in Alley Contr. 123, to J. J. Bresnan, Woodland Ave., $28,688; sheet asphalt paving 8,510 sq.yd. streets in Contr. 388, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R. tracks, $39,462; concrete paving 6,800 sq.yd. streets in Contr. 389, to H. H. Hershberger, 3723 Reistertown Rd., $17,205. Grand total $85,355. Noted Mar. 17.

W. Va., Wheeling—Brick repaving Warwood Ave., to D. A. Jacovetty, 35 20th St., $53,844. Noted Mar. 17.

Ala., Birmingham — City Comn., J. W. Jones, Jr., pres. (**e.e. means engrs. est.**) to Concrete Serv. Co., 4717 1st Ave. N., concrete repairing curbs and gutters, etc. 14 blocks 26th St. $5,230 e.e. $6,100; to Fromhold Bros., 1775 Jefferson Ave., 2 in. asphalt on 5 in. concrete paving 2 blocks Conroy Rd. Alley, 20 ft. $2,930 e.e. $3,200, to Newell Constr. Co., 3828 Ave. A., 1 block 20th St. $4,616 e.e. $5,000, 1 block 11th Court N., $4,686 e.e. $5,100, 2 blocks 59th St., $10,880 e.e. $12,000, 2 blocks 61st Pl., $4,320 e.e. $5,000, 3 blocks Cotton Ave., $35,595 e.e. $37,300, 2 blocks 4th St., $12,816 e.e. $13,100 and 8 blocks 2nd Ave. S., $61,320 e.e. $65,200. Grand total $142,393. Noted Feb. 24.

Miss., Columbus—Grading, curbing, guttering and asphalt on concrete paving 17,690 sq.yd. South 4th and South 7th Sts., to Morgan-Hill Paving Co., Woodward Bldg. Birmingham, Ala.

Miss., Philadelphia—Neshoba Co., grading, bridging, etc., 18.13 mi. Federal Aid Project 192-B, 18 ft., to Nickson & Phillips, New Orleans, La., $130,679.

O., Canton — Comrs. Stark Co., curbing and brick paving, etc. 1.087 mi. Massillon-Orrville Rd., and brick on concrete paving 2.097 mi. Canton-Lisbon Rd., to Urban Bros., Massillon, $36,019 and $85,070 respectively, engrs. est. $35,000 and $85,000 respectively; also brick paving 2.58 mi. Trump Rd., to General Asphalt Paving Co., Witters Bldg., $98,715, engrs. est. $100,000. Grand total $219,804.

O., Cincinnati—C. O. Sherrill, city mgr., concrete repaving 4,950 sq.yd. Losantiville Ave., to J. R. Crew, 3810 Regent Ave., Norwood, $30,493. Engrs. est. $34,338. Noted Mar. 10.

O., Cleveland — Curbing, grading and Lake asphalt paving, etc. 49,600 sq.yd. Payne Ave., to Cleveland Trinidad Paving Co., The Arcade, $268,409.

O., Cleveland—Grading, curbing, paving, etc with **(a)** brick **(b)** asphalt **(c)** concrete **(1)** Bader Ave. **(2)** Flowerdale Ave. **(3)** Stickney Ave. **(4)** Bartfield Ave. **(5)** East 24th St. **(6)** Belmont Ave. **(7)** Bradgate Ave. **(8)** Tuttle Ave. **(9)** West 140th St. **(10)** Marcelle Ave. **(11)** Marvin Ave. **(12)** East 71st St. **(13)** Mohican Ave. **(14)** Pawnee Ave. **(15)** Taft Ave., to Baldwin Bros., 4500 Euclid Ave., **(b1)** $18,188 **(a2)** $67,567 **(b3)** $38,325; to Highway Constr. Co., Guarantee Title Bldg., **(a4)** $6,113 **(b5)** $15,992; to Roehl Bros. Paving & Constr. Co., 7002 Denison Ave. **(b6)** $23,805 **(a7)** $27,847 **(a8)** $22,758 **(a9)** $49,070; to H. G. Herring, Wayside Rd. **(b10)** $35,961; to Enterprise Paving & Constr. Co., 8444 Bway. **(b11)** $26,834 **(b12)** $3,559; to Gould & Maybach, 16311 Saranec Rd. **(b13)** $11,006 **(a14)** $42,125 **(a15)** $46,972. Grand total $436,122. Noted Feb. 10.

O., Lisbon—Comrs. Columbiana Co., grading approximately 6 mi. Lisbon-Salineville Rd., to J. C. McCann, 193 Belvidere Ave., Columbus, $83,077. Engrs. est. $94,347. Noted Jan. 13.

O., South Euclid (br. Cleveland) — To Spence Bros., 2078 Random Rd., Cleveland, grading, curbing and asphalt paving, etc. Northampton Rd. $7,060, Quarry Rd. $12,594, and Keys Rd. $12,446. Grand total $32,100. Noted Mar. 24.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, grading, etc., 2.19 mi. Spencer-Greencastle Rd., Project S-514, Road 43, Owen Co., to M. E. McGuire, 4012 College St., Indianapolis, $16,713, engrs. est. $20,620; and concrete paving 10.563 mi. Danville Rd. to Marion Co. Line, F. A. 86, Sect. A, Road 36, Hendricks Co., to W. D. Vogel, 702 Morris St., Indianapolis, $186,453, engrs. est. $215,465. Noted Feb. 24.

Ind., Anderson—C. Forkner, aud. Madison Co., concrete paving 1 mi. Arthur Doan Rd., to McCoun Constr. Co., Noblesville, $27,680. Engrs. est. $29,735. Noted Mar. 1

Ind., Crown Point—Comrs. Lake Co., concrete paving Zerasinski Rd., to Ahlborn & Lavine, Hammond, $39,729. Engrs. est. $40,000. Noted Mar. 10.

Mich., Allegan—Allegan Co., graveling 3.75 mi. Hamilton-Overisel Rd., 12 ft., to Millard & Sickenga, Muskegon, $31,430.

Mich., Hastings—Barry Co. Road Comn., Court House, graveling 9.276 mi. Township Line Rd., to L. A. Myers Kalamazoo. $83,346. Noted Mar. 10.

Mich., Paw Paw—Van Bureau Co. Rd. Comn., constructing two course graveling 5.3 mi. Road 13, to Yenington & Place, Buchanan, $53,338; and 3.9 mi. Road 53, to Otis Kleet, Hartford, $30,805, both 16 ft. Noted Mar. 10.

Mich., Pontiac—Oakland Co., concrete paving 5 mi. Lake Rd., 20 ft., to Bartling & Dull, Pontiac, $183,144. Noted Nov. 25.

Mich., Pontiac—Bd. Roads Comrs. Oakland Co., concrete paving 8.1 mi. County A. D. 113, to Bartling & Dull, Pontiac, $296,894. Noted Mar. 31.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving Route 85, Sect. 119, McDonough Co., to W. O'Neil Sons Co., Fairbault, Minn., $202,616. Noted Mar. 3.

Ill., Chicago—City, Room 207, City Hall, grading and 7 in. concrete paving roadways 5 alleys, to J. Dillon & Co., 2953 South Halsted St.; 4 alleys, to Paramount Constr. Co., 107 North Clark St.; grading, curbing, guttering and 8 in. concrete paving portions George St., Barry, Wellington, North Natoma, Normandy and North Rutherford Aves., to J. A. Sackley, 4608 Belmont Ave.; grading, curbing, guttering and 6 and 8 in. concrete paving portions North Kilpatrick, Parker and Wrightwood Aves., Nevada, Altgood and Montana Sts., to J. A. McGarry Co., 4556 Patterson St.; grading, curbing, guttering and 6 in. concrete and asphalt on present macadam paving portions East 42nd St. and removing present pavement down to concrete and repaving with asphalt and grading, curbing, guttering and 4 in. granite block portions South State St., to R. F. Conway Co., 844 Ruth St.; grading, curbing, guttering and 8 in. concrete paving, etc., portion South State St. to P. J. O'Brien & Co., North Cicero Ave. Noted Mar. 25.

Ill., Chicago—Lincoln Park Comrs., paving 4,600 ft. Lake Shore Dr., 45 ft., to Commonwealth Impvt. Co., 111 West Washington St. Noted Mar. 24.

Ill., Oregon — Bd. Supervs. Ogle Co., improving 4.5 mi. State Aid County Roads, graveling, to Anderson Bros., 219 5th Ave., Rockford, $10,800; excavating and grading, to Burch Constr. Co., Madison, Wis., $19,708; bridge, to F. Hughes, Dixon, $6,644; culverts, to Cox & Warner, Oregon, $2,842. Grand total $39,995. Engrs. est. $45,000.

Ill., Peoria—Road & Bridge Comrs., Peoria Co., graveling 5.5 mi. State Aid County Rd., 12 ft., to M. R. Deyo M. & C Co., 801 West Washington St., East Peoria (br. Peoria), $28,846; and 3 mi. roads, to S. R. Steven, Peoria, $7,497. Engrs. est. $40,000. Noted Mar. 17.

Ill., Springfield — Grading, curbing and vitr. brick on concrete paving, etc., 4 blocks Lawrence Ave., 30 ft., to R. F. Nelch, 800 South 9th St., at $3.72 per sq.yd. Engrs. est. $25,000. Noted Jan. 14, 1926.

Wisconsin—State Hy. Comn., and F. F. Mengel, div. engr., Div. Office 4, Citizens Natl. Bank Bldg., Wisconsin Rapids, grading, concrete paving, etc., 105,301 sq.yd. State Project 4386, to Morris Martin, Berlin, $270,053; 150,196 sq.yd. Federal Aid Projects 423-A, 93 and 228, Marquette Co., to R. J. Kapphahn Constr. Co., 1811 Wallace Ave., Duluth, Minn., $413,428; and 60,824 sq.yd. Project 4387, Marathon Co., to Koepke Bros., Appleton, $204,347. Grand total $887,828. Noted Mar. 17.

Ia., Burlington — Des Moines Co., 6 in. concrete paving, etc. 69,600 sq.yd. Div. 2, Federal Aid Project 306, to Anderson & Empire Constr. Co., Marshalltown, $175,315; grading, etc., 106,609 cu.yd. same road, Div. 1, to Shirley-Caldwell Co., Omaha, Neb., $33,780.

Ia., Keokuk—H. B. Blood, city clk., 6 in. concrete paving 12,800 sq.yd. various streets, to Keokuk Quarry & Constr. Co., Keokuk, at $2.28 per sq.yd.

Ia., Muscatine—Muscatine Co., grading 117,000 cu.yd. various roads, to R. J. Phelps, Iowa City $18,367, Haynes & Pace, Muscatine $8,462, and Ryan & Fuller, Muscatine $1,492. Grand total $28,321.

Kan., Clay Center—To Reed & Wheelock, Clay Center, improving 9 blocks 6 various streets, 2½ in. brick on 4 in. concrete paving at $2.63 per sq.yd., 2½ in. brick on 5 in. concrete $2.75, 3 in. brick on 5 in. concrete $3, curbing $0.98 per ft., double gutter $1.75, grading $0.75 per cu.yd. etc.

Kan., Mound City—Linn Co., grading, concrete surfacing, etc., 20.078 mi. Federal Aid Project 109-A, B and C, to C. H. Atkinson Paving Co., Watertown, S. D., $486,173; bridges on same road, Sects. D, E and F, to Maxwell Constr. Co., Columbus, $36,824; also 3 in. bituminous filled brick surfacing same road, Sect. G, to Cook & Stucker, Ottawa, $89,703. Grand total $612,700. Noted Mar. 10.

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Streets and Roads (Continued)

Neb., Falls City—M. Naylor, city clk., grading, curbing, guttering and natural lake asphaltic concrete paving 10,400 sq.yd. streets in Dist. 40, to Monarch Engineer Co., Falls City, $37,500. Noted Mar. 31.

Neb., Scottsbluff—To Martin & Clark, Scottsbluff, grading Project 236-K $1,611, to A. C. Smith, Scottsbluff, Project 236-L, $3,892, and to A. C. Ross, Bayard, Project 242-K, $1,574; to Reel & Kennedy, Dalton, graveling Project 300-K (formerly 236-M), $3,900; to Wheeler Lumber Bridge & Supply Co., 200 Southwest 9th St., Des Moines, Ia., maintenance lumber f.o.b. Scottsbluff; untreated at $33 per M, treated $65, f.o.b. Crawford untreated $33, treated $65, untreated guard rail $0.495 each, treated fir piling $0.60 per ft., untreated fir piling $0.28.

Mo., University (mail St. Louis)—Grading, curbing and concrete paving, etc. Highland Ave. between Ferguson and Pennsylvania Aves., Ferguson Ave. between Olive Blvd. and north city limits, and Corbitt St. between Ferguson and Pennsylvania Aves., to Skrainka Constr. Co., Security Bldg., St. Louis, $39,603; also vitr. clay sewers in Dist. 36, to Riley Contg. Co., 110 North 7th St., St. Louis, $14,390.

Tex., Amarillo—For 5 in. concrete on brick paving 7 blocks Washington, Adams and North 3rd Sts., to Wilmering & Mullen, Amarillo, $29,131.

Tex., San Antonio—Asphalt on concrete paving 9 blocks Reynolds, Delaware and West Ashby St., to Southwest Bithulithic Co., Gunter Bldg., approximately $25,000; also grading, raising, filling, asphalt paving, etc. 13 blocks Schley and Eleanor Aves., to Uvalde Rock Asphalt Co., c/o City Natl. Bank Bldg., $31,793.

Okla., Oklahoma City—Grading, curbing and sheet asphalt paving 6,960 sq.yd. 30th St., to Western Paving Co., Tradesmens Bldg., $34,255. Engrs. est. $36,219. Noted Aug. 12.

Okla., Seminole — Vertical fibre brick paving 12,870 sq.yd. Dist. 5, to Ward, Beekman & Brooks, 1801 East 9th St., $56,676. Engrs. est. $58,774. Noted Feb. 3.

Idaho — Dept. Pub. Wks., Bureau of Highways, Boise, widening, bituminous concrete paving, etc. 4.749 mi. Old Oregon Trail Rd., Federal Aid Projects 79-B, 59-A and 30-A, Banncock and Power Counties, to V. P. Strange, 32 Haxton Pl., Salt Lake City, Utah, $103,768. Engrs. est. $123,404.

Nevada—State Hy. Comn., Carson City, concrete paving 3.8 mi. Nevada-California-Verdi State Line Rd., Federal Aid Project 73-B, Washoe 1-A-3, Contr. 158, to J. S. Jensen, Reno, $51,998. Noted Mar. 17.

Washington—State Hy. Comn., Olympia, clearing, grading, etc., 57,000 cu.yd. State Rd. 12, Palix River Sect., Pacific Co., to A. C. Goarig, 300 Pantages Bldg., Seattle, $31,498; grading and concrete paving, etc., 2,652 sq.yd. State Rd. 1 between King Co. Line and Everett, Sect. 1, Snohomish Co., and 84,293 sq.yd. same road, Sect. 2, to J. H. Collins & Co., Renton, $201,439 and $199,396 respectively. Grand total $432,333. Noted Mar. 17.

Wash., Seattle—Bd. Pub. Wks., grading, etc. 46th Ave. S. et al, to Dowell Constr. Co., Securities Bldg., $57,711.

Wash., Tacoma—Grading and concrete sidewalks, on 35,400 ft. Oakland, Sunset Home and Queen Anne Park Additions, to McHugh & Johnson, Tacoma, $45,775. Engrs. est. $56,675.

California—State Hy. Dept., Sacramento, clearing approximately 15 mi. right-of-way preparatory to grading, etc. roadway between Orick and Del Norte Co. line, Humboldt Co., to Englehart Paving & Constr. Co., Eureka, $54,600.

Calif., Los Angeles—Bd. Pub. Wks., grading and concrete paving, etc. 451,595 sq.ft. Bakman Ave., to McCray Co., Subway Terminal Bldg., approximately $128,605. Noted Mar. 17.

Calif., Los Angeles—Grading, curbing, concrete and asphalt paving, etc. Vermont Ave. from 9th to Washington Sts., to Warren Constr. Co., 2221 East 25th St., $140,507; also ornamental lighting system on 3rd St. between Main and Hill Sts., to J. R. Davies, 2131 Santee St., $10,950.

Calif., Los Angeles — Los Angeles Co., grading, curbing and concrete paving, etc. 135,754 ft. Walnut and 182nd Sts., Co. Impvt. 551, to J. P. Benson, 943 South Windsor Ave., $37,056. Noted Mar. 3.

Calif., San Diego—Bd. Supervs. San Diego Co., improving Rolando Unit 3, to L. B. Myers, $239,381.

Calif., San Mateo—E. W. Foster, city clk., grading, curbing, etc. various streets in southeast section, to Hanrahan Co., Standard Oil Bldg., San Francisco, $91,645. Noted Mar. 24.

Calif., Santa Ana—Supervs. Orange Co., walks and oil surfacing 270,000 sq.ft., etc., at Sunset Beach, to W. M. Ledbetter Co., 5399 Alhambra Ave., Los Angeles, $52,465.

Calif., Santa Cruz—Santa Cruz Co., concrete paving, etc. Mt. Hermon Rd., to Noble Bros., 553 South 10th St., San Jose, $40,125. Noted Apr. 7.

Calif., Chico—I. R. Morrison, city clk., walks, concrete paving and grading 426,978 sq.ft. Esplanade, Magnolia Sts., etc., to M. J. Bevanda, 404 23rd St., Richmond, approximately $30,090; grading and 5 in. asphaltic concrete paving 155,271 sq.ft. St. Impvt. Dist. 1927-C, to Chico Contg. Co., Chico, approximately $40,650. Noted Mar. 31.

Ontario—Dept. Pub. Highways, Parliament Bldgs., Toronto, concrete paving 10.6 mi. road from Reeces Corners to West of Warwick, to Merlo, Merlo & Ray, Sandwich St., Ford City $225,000, 4.4 mi. road from Tillsonbury to Courtland, to R. Honsberger, Vineland $90,000, and 6 mi. road from Mississippi River north to Arnprior, to W. H. Hardy & Sons, Deseronto $125,000; asphaltic mixed macadam paving 7.2 mi. road from Peterborough to Kendry, to Dufferin Constr. Co., foot of Bathurst St., Toronto, $140,000; bituminous concrete paving 3 mi. road from Toronto city limits westerly to Humber Bridge, to Ontario Amiesite Co., Lumsden Bldg., Toronto, $60,000; btiuminous penetration macadam paving 2.74 mi. road, from Norval to Georgetown, to H. T. Routly, 9 Richmond St. E., Toronto $50,000, and 4.2 mi. road, from Wendover easterly, to Dibbles Constr. Co., 36 Bank St., Ottawa, $80,000 grading and ditching 6 mi. road from Flesherton to Markdale, to A. B. McLeod, Orillia, $15,000; concrete paving 4.87 mi. road from Aylmer to Lots 30 and 31 in Malahide Twp., to Johnson Bros. Ltd., 43½ Nelson St., Brantford $125,000, 4 mi. road from Brooklyn northerly, to A. E. Jupp Constr. Co. Ltd., 170 Berkeley St., Toronto $90,000, 0.93 mi. road from Orwell Bridge and New Sarum Bridge, to Cadwell Sand & Gravel Co., 228 Sandwich St. W., Windsor $25,000 and 0.83 mi. Freeport Bridge, to P. Bergmann, 128 King St., Waterloo, $20,000; also filling (earth) spans 11, 12 and 13 Bellville Bay Bridge, to Frontenac Dredging Co., Kingston, $15,000. Grand total $1,060,000. Noted Feb. 10.

Ontario—Dept. Hys., Toronto, grading and asphaltic macadam paving 10.4 mi. road from Rockland to Orleans, to Kilmer & Barber Ltd., 10 Adelaide St. E., Toronto. Engrs. est. $200,000.

Ontario—Dept. Pub. Highways, Ottawa, concrete paving 7.63 mi. provincial highway between Leamington and Wheatley, 20 ft., to Johnson Bros., 43½ Market St., Brantford. Engrs. est. $160,000.

Ont., Midland — City Council, concrete paving Main and King Sts., to Brennan Paving Co., 400 Gage Ave. N. Engrs. est. $125,000.

B. C., Vancouver—Asphaltic concrete surfacing 5th and 13th Aves., to Columbia Bitulithic Ltd., Bekins Bldg., $44,250; concrete surfacing 10th Ave. from Stephen to Alma Rd., to Hodgson, King & Marble, 626 Pender St. W., $73,403.

Buildings—Commercial

Proposed Work

Vt., Castleton—DORMITORY—State of Vermont, J. W. Weeks, gov., State House, Montpelier, having plans prepared by A. H. Smith, Gryphon Bldg., Rutland, 3 story and basement, brick, plain foundation, here. $150,000. Noted Feb. 3.

Mass., Boston—BANK—Federal Natl. Bank of Boston takes bids after Apr. 18, altering and constructing 6 story and basement, brick addition, Washington and Water Sts. $150,000 or more. J. H. Driscoll, 6 Beacon St., archt. Noted Mar. 31.

Mass., Boston—STORE and OFFICE—Commonwealth Realty Co., 333 Washington St., having preliminary plans prepared by T. H. James & Co., 3 Park St., 5 story and basement, 145 x 150 ft.. brick, steel and limestone, Stuart, Carver and Warrenton Sts. $600,000.

Mass., Brookline (br. Boston)—APARTMENT—M. E. Levy, archt., 7 Water St., Boston, preparing plans 3 story and basement, 60 x 200 ft., brick and stone, Longwood Ave. and St. Paul St., here, $185,000. Owners name withheld.

Mass., Lexington—TOWN HALL—Town, T. A. Custamce, chn. Selectmen Office, having sketches made by Kilham-Hopkins & Greeley, 9 Park St., Boston, 2 story and basement, brick and stone, plain foundation, Massachusetts Ave. $150,000.

Mass., Malden (br. Boston) — HOTEL and STORE—Syndicate, c/o J. S. Draper, 209 Washington St., Boston, having preliminary plans prepared by R. H. Doane, 162 Newbury St., Boston, 8 story and basement, brick and steel, Pleasant St., here. $3,000,000.

Mass., Plymouth—STORE—Green Bros., 2185 Washington St., Roxbury, having preliminary plans prepared by Krokyn & Browne, 220 Devonshire St., Boston. 2 or 3 story and basement, brick, here. $150,000.

R. I., East Providence (br. Providence) —THEATRE—W. W. Drummey, archt., 80 Boylston St., Boston, Mass., making sketches 1 and 2 story, and basement, brick and steel, Taunton Ave., here. $150,000 or more. Owner's name withheld.

R. I., Providence — STORE, DANCE HALL, BOWLING ALLEYS — T. De Cesare, 598 Charles St., having plans prepared by A. F. Matrumalo, 591 Charles St., 3 story and basement, brick and stone, plain foundation, Charles St. $150,000.

Conn., Danbury—HOTEL—Hotel Green, J. Harris, 198 Main St., having revised plans prepared by Sunderland & Watson, 348 Main St., 7 story, 64 x 122 ft., brick and steel addition, $300,000. Noted Mar. 10.

Conn., Hartford — APARTMENT — N. Carabillo, 28 Vine St., having plans prepared by Dunkelberger & Gelman, 721 Main St., 3 story, 67 x 172 ft., brick, steel and tile, Sigourney St. $150,000.

Conn., New Haven—APARTMENT—J. Heller, 487 Fountain St., having plans prepared by J. Weinstein, Metropolitan Bldg., 2 story, 130 x 145 ft., brick and steel, Alden Ave. $150,000.

Conn., New Haven—OFFICE—N. Rubin, c/o W. R. Shiner, archt., 185 Church St., having plans prepared 12 story, 50 x 105 ft., brick and steel, plain foundation, Wall and Church Sts. $300,000.

Conn., Norwalk—May & Hillard, archts., 607 5th Ave., New York City, preparing plans and take bids about Apr. 28, 4 story, 158 x 245 ft., brick building, here, for Y. M. C. A. To exceed $350,000.

Conn., Stamford — BANK — Stamford Trust Co., 300 Main St., having plans prepared by H. J. Hardenberg, 37th St., New York City, 2 story, 80 x 150 ft., brick and marble, Main St. $150,000.

Conn., Stamford — OFFICE — Stamford Gas & Electric Co., 11-17 Bank St., having plans prepared by H. Chapman, 315 5th Ave., New York City, 6 story, 50 x 200 ft., brick and steel office building. $350,000.

N. Y., Buffalo—WAREHOUSE — Victor Furniture Co., Main St., soon lets contract 11 story and basement, rein.-con., brick and steel, plain foundation, Genesee St $500,000 Hudson & Hudson, Dun Bldg., archts. T. H. McKaig, Ellicott Sq. Bldg., engr.

N. Y., Long Island City—WAREHOUSE—W. Higginson, archt., 101 Park Ave., New York City, soon lets contract 2 story (ultimately 4 story), 100 x 300 ft., rein.-con., School St., here, for Bayonne Steel Co., 223 West 19th St., New York City. $350,000.

N. Y., New York—APARTMENT—Walton 161st Street Corp., 250 West 57th St., having plans prepared by Lang & Rosenberg, 1440 Bway., 6 story and basement, 104 x 150 ft., brick and steel, plain foundation, 92-102 Pinehurst Ave. $300,000.

N. Y., New York—APARTMENT—Walton 161st Street Corp., 250 West 57th St., had plans prepared by Lang & Rosenberg, 440 Bway., 6 story and basement, 104 x 164 ft., brick and steel, plain foundation, 95-105 Northern Ave. $300,000.

N. Y., New York—APARTMENT—Fred Realty Corp., 1359 Bway., having preliminary plans prepared by G. and E. Blum, 155 East 42nd St., 15 story apartment, 327 Central Park West.

N. Y., New York—ARMORY—Armory Bd. of New York City, Municipal Bldg., having plans prepared by C. B. Meyers, 31 Union Sq., altering and constructing 1 story, brick addition, 66th St. and Park Ave. $200,000.

N. J., Camden—BANK—Camden Deposit & Trust Co., 224 Federal St., plans bank, Broad and Market Sts. Engineer and architect not selected.

N, J., Camden—WAREHOUSE—G. S. Kingsley, archt., 145 West 41st St., New York City, soon lets contract 5 story and basement, 50 x 115 ft., and 50 x 140 ft., rein.-con. and brick, plain foundation, Haddon Ave. and Copewood St., here, for Bell Storage Co., 1006 South 6th St.

N. J., Cranford — APARTMENT — J. Horn, 863 South 18th St., Newark, having plans prepared by M. Klemmt, 68 Clinton Ave., Newark, 4 story, brick, plain foundation, Orchard and Holley Sts., here. $150,000.

N. J., East Orange — APARTMENT — Halstead Building Co., c/o R. Bottelli,

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Buildings—Commercial (Continued)

archt., 207 Market St., Newark, having plans prepared 4 story, brick and steel, plain foundation, Halstead St., here. $150,000.

N. J., Elizabeth — APARTMENT — R. Dreskin, 87 Schuyler Ave., Newark, having plans prepared by A. J. Silberstein, 60 Park Pl., Newark, 4 story, brick, plain foundation, 837 North Broad St., here. $150,000.

N. J., Jersey City—BANK—Union Trust & Hudson Co. Natl. Bank, 75 Montgomery St., having plans prepared by C. H. Ziegler, 75 Montgomery St., 1 story, 35 x 100 ft., brick and steel, plain foundation, Jackson Ave. $150,000.

N. J., Jersey City—CLUB—Polish Amer. Democratic Club, 22 Liberty Ave., having plans prepared by P. Simeone & Co., 100 Sip Ave., 3 story and basement, 75 x 120 ft., brick, plain foundation, Liberty St. $150,000.

N. J., Lyndhurst (br. Rutherford) — APARTMENT—Livan Bros., Inc., c/o A. P. Nucciarone, archt., 206 Central Ave., Orange, having plans prepared 4 story, brick, plain foundation, Livingston Ave. and 2nd St. $150,000.

N. J., Lyndhurst (br. Rutherford)—APARTMENTS—H. R. Boglet Co., 300 Ridge Rd., having plans prepared by F. Tripputi, 298 Ridge Rd., 4 story, brick, Stuyvesant Ave. $200,000.

N. J., Newark—APARTMENT—Baldwin Building Co., c/o R. Bottelli, archt., 207 Market St., having plans prepared 5 story, brick and steel, plain foundation, High St. $150,000.

N. J., Oradell—CLUB—Hackensack Golf Club, Central Ave., Hackensack, having preliminary plans prepared by C. C. Wendehack, 101 Park Ave., New York City, 2 story and basement, brick here. $150,000.

N. J., Orange—APARTMENT—C. & R. Investment Co., c/o S. Cohen, archt., 134 Branford Pl., Newark, having plans prepared 5 story, brick, plain foundation, Central Ave. and Central St., here. $200,000.

N. J., Passaic — APARTMENT — N. Slanovitz, c/o Preiskel & Skvarla, archt., 591 Main Ave., having plans prepared 4 story, brick, plain foundation, Bloomfield Ave., here. $150,000.

N. J., Passaic—APARTMENT—Morris Bwig, 171 Howard St., having plans prepared by Preiskel & Skvartla, Playhouse Bldg., 4 story, brick and timber, plain foundation, Passaic Ave. $200,000.

N. J., Red Bank—APARTMENTS—N. Doremus, Red Bank, having plans prepared by C. T. Fries, 48 West Front St., 3 brick apartments, plain foundations, West Front St. $150,000.

Pa., Bristol — THEATRE — Hamilton Amusement Co. having plans prepared by T. F. Bennett, Southampton, theatre, 1,500 seating capacity.

Pa., Phila.—HOSPITAL—Germantown Hospital, Penn and Chew Sts., having plans prepared by A. H. Brockie, 254 South 15th St., hospital, here. $700,000.

Pa., Phila.—HOSPITAL—Mt. Sinai Hospital, 5th and Reed Sts., c/o J. S. Cohen, Jr., having plans prepared by Magaziner, Eberhad & Harris, 603 Chestnut St., hospital addition, 5th and Reed Sts. $1,000,000.

Pa., Phila.—SALES and SERVICE—P. S. Tyre, archt., 114 South 15th St., soon lets contract 8 story and basement, 75 x 160 ft., rein.-con., brick and steel, plain foundation, Broad and Ridge Sts., for Neel Cadillac Co.

Pa., Phila. — THEATRE — Suburban Realty Co., c/o T. Kermse, 6500 Rising Sun Ave., having plans prepared by Ballinger Co., 12th and Chestnut Sts., 1 story and basement, 100 x 150 ft. theatre, Rising Sun Ave. and Cottman St.

Pa., Phila.—THEATRE—Green & Altman, Heyman Bldg., having plans prepared by W. H. Lee, Schaff Bldg., theatre, 2,000 seating capacity, 69th and Elmwood Sts.

Pa., Pittsburgh — WAREHOUSE—Joseph Horne Co., Penn and Stanwix Sts., and Hunting, Davis & Dunnells, archts., Century Bldg., soon lets contract 8 story and basement, approximately 200 x 300 ft., rein.-con., brick and steel, Rebecca St. $1,000,000.

Md., Baltimore—APARTMENT—Rugby Hall Apartments, c/o H. W. Webb, 516 North Charles St., having revised plans prepared by F. A. Fletcher, 13 West Franklin St., 4 story and basement, 60 x 86 ft., brick and steel, University Parkway and 40th St. $150,000.

N. C., Durham—OFFICE—Five Points Building Co., Inc., plans 16 story and basement, office building. $1,700,000. W. I. Budd, Durham, interested.

Fla., DeLand—COURT HOUSE—Comrs. Volusia Co., soon lets contract Court House, constructing new courthouse. S. D. Jordan, clk. Noted Dec. 30.

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Ala., Anniston—CITY HALL—Election Apr. 25, $250,000 bonds, new city hall, 12th St. and Gurnee Ave.

Miss., Gulfport—HOTEL—L. E. Deutsch & E. Milgrim will not construct 6 story, 100 x 100 ft., rein.-con., brick and stone hotel. Propect abandoned. $500,000. N. W. Overstreet, Mississippi Fire Bldg., Jackson, archts. Noted Mar. 10.

Miss., Jackson—APARTMENT HOTEL—Bellevue-State Apartment Hotel Co. having preliminary plans prepared by E. J. Hull, 211-217 Merchants Bank Bldg., 7 story and roof garden, rein.-con., brick and terra cotta, North State and Boyd Sts. $300,000.

O., Cleveland — APARTMENT — H. Abrams, 1582 Glenmont Ave., having plans prepared 3 story and basement, brick, 1941 East 81st St. $150,000. Private plans.

O., Kenmore—THEATRE—B. Rafiel, 498 Rhodes Ave., Akron, soon takes bids modern theatre, 15th St. and Kenmore Blvd., here. $150,000.

Ind., Crawfordsville—HOSPITAL—Montgomery Co., S. Herr, pres., having preliminary plans prepared by Boswell & Beeson, Ben Hur Bldg., rein.-con., brick and steel hospital. $150,000.

Ind., Hammond—APARTMENT—Stuart Development Co. had plans prepared by J. Greenwood, Hammond, 44 two room, brick and steel apartment. $150,000.

Ind., Marion—THEATRE—R. J. Spencer, c/o Grant Trust Co., having preliminary plans prepared by Thornton & Rodecker, 658 Fairfield Ave., Indianapolis, brick and steel motion picture theatre.

Ind., Muncie — APARTMENT — G. Challis, Wysor Blk., having plans prepared by George & Zimmerman, Meyers Kiser Bldg., Indianapolis, rein.-con., brick and steel, Adams and Jefferson Sts. $300,000.

Ind., South Bend — HOTEL-APARTMENT — Schenniger - Ackerman - Allardt Hotel Co. having plans prepared by M. E. Smith, Weidler Bldg., 3 story and basement, rein.-con., brick and steel; 218 East La Salle St. $500,000.

Ill., Chicago—APARTMENT—Quinn & Christensen, archts., 360 North Michigan Ave., soon let contract 7 story and basement, 60 x 180 ft., 431 Oak Dale Ave., for Four Hundred Thirty-One Oakdale Building Corp., c/o architects. $500,000.

Ill., Chicago — APARTMENT — P. F. Reynolds, 8 South Dearborn St., plans 25 story apartment on 157 x 173 ft. site, Burton Pl. and Lake Shore Dr. $5,000,000. Engineer and architect not selected.

Ill., Chicago—APARTMENT—Granger & Bollenbacher, archts., 332 South La Salle St., takes bids after Apr. 15, 13 story and basement, 150 x 150 ft., rein.-con., brick and Indiana limestone, 58th St. and Dorchester Ave., for Fifty-Eighth Street and Dorchester Trust, c/o architects. $1,000,000.

Ill., Chicago—APARTMENT HOTEL—R. C. Harris, 190 North State St., takes bids after Apr. 10, 14 story and basement, 70 x 150 ft., rein.-con., brick and terra cotta, Dearborn and Goethe Sts. $1,500,000. Owner's name withheld.

Ill., Chicago — APARTMENT, OFFICE and STORE—C. W. Lampe & Co., archts., 155 North Clark St., prepared plans and soon takes bids 4 story and basement, 150 x 176 ft., rein.-con., brick, terra cotta and stone, Austin and Madison Aves., for Koclanis Bros., 529 North Clark St. $700,000.

Ill. Chicago—HOTEL—H. Dalsey, archt., 64 West Randolph St., soon takes bids 8 story and basement, 91 x 128 ft., rein.-con., brick and terra cotta, 835-41 Sheridan Rd., for Sher-Lane Building Corp., c/o architect. $750,000. Noted Apr. 7.

Ill., Chicago—HOTEL—H. Dalsey, archt., 64 West Randolph St., prepared plans and soon takes bids 10 story and basement, 50 x 125 ft., rein.-con., brick and terra cotta, 6022 Winthrop Ave., for S. M. Robin, 901 West Roosevelt Rd. $600,000. Noted Feb. 3.

Ill., Chicago—OFFICE and STORE—Teich & Sullivan, archts., 64 West Randolph St., prepared plans and soon takes bids 3 story and basement, 142 x 150 ft., rein.-con. and brick, 3632-42 Bway., for Wieland Dairy Co., 3632 Bway. $150,000.

Ill., Joliet—D. H. Burnham & Co., archts., 160 N. La Salle St., Chicago, preparing plans and soon takes bids 5 story and basement, 99 x 150 ft., rein.-con. and brick Y. M. C. A. building, incl., gymnasium, etc., Webster and Ottawa Sts., here, for Y. M. C. A. $500,000. Noted Sept. 16.

Minn., Minneapolis—OFFICE—J. E. Andrus, Hudson Terrace, Yonkers, N. Y., having plans prepared by Long & Thershov, 1028 Andrus Bldg., 25 story tower in central court of premises 12 story, rein.-con., brick and stone, 6th St. and Hennepin Ave., here.

Mo., Kansas City — OFFICE — Dwight Building Co., J. A. Bruening, pres., Bd. of Trade Bldg., takes bids about Apr. 15, 3 story, brick, concrete and steel top addition, 10th and Baltimore Sts. $250,000 McKecknie & Trask, Bd. of Trade Bldg., archts.

Mo., Kansas City—THEATRE—Boucher & Besecke, archts., 114 West 10th St., preparing plans motion picture theatre, here. $2,000,000. Owner's name withheld.

Mo., St. Louis—HOSPITAL—Evangelical Deaconess Home and Hospital, 4215 West Belle Pl., J. P. Jens, supt., 4137 West Belle St., takes bids about June 1, 4 and 6 story and basement, rein.-con., brick and stone, Oakland Ave. near Clayton Rd. $800,000. T. P. Barnett Co., Arcade Bldg., archts. Noted July 8.

Mo., St. Louis—MARKET and COMMUNITY CENTER—Bd. Pub. Serv., 208 City Hall, takes bids in June, 1 and 2 story, rein.-con., brick, terra cotta and tile, 7th and Soulard Sts. $170,000. L. R. Bowen & A. Osburg, 301 City Hall, archts. L. R. Bowen & H. Updike, 301 City Hall, engrs. Noted June 24.

Tex., Abilene — OFFICE — Southwestern Bell Telephone Co., 414 Locust St., St. Louis, Mo., having preliminary plans, etc. prepared by I. R. Timlin, c/o owner, 2 to 4 story, and part basement, rein.-con. and brick, plain foundation. $150,000.

Tex., Beaumont—BANK and OFFICE—J. R. Bailey, archt., Main St., Houston, soon takes bids 12 story, 60 x 175 ft., rein.-con., brick and stone, Bowie and Orleans Sts., for J. H. Crooker and associates. $1,000,000. H. M. Sanford, West Bldg., engr.

Tex., Houston—WAREHOUSE—Hedrick & Gottlieb, archts., 2007 Post-Dispatch Bldg., soon takes bids 6 story, 114 x 162 ft., rein.-con., brick and tile, LaBranch St., for S. J. Westheimer, 2313 San Jacinto St. $250,000.

Tex., Plainview—HOTEL—E. R. Mayer, 1600 Madison St., having preliminary plans prepared by E. F. Rittenberry, 303 Blackburn Bldg., Amarillo, 7 story, rein.-con. and brick, plain foundation. $250,000.

Okla., Tulsa—BANK and OFFICE—H. H. Rogers, pres. Exchange Trust Co., 14 East 3rd St., having plans prepared by Weary & Alford, 1923 Calumet Ave., Chicago, Ill., and takes bids in August, 24 story and basement, 50 x 140 ft., rein.-con., brick and granite, plain foundation, Boston St. $2,000,000. Noted Mar. 24.

Wash., Port Angeles—HOTEL—G. C. Field, archt., Lloyd Bldg., Seattle, takes bids about Apr. 28, 4 story and basement, 60 room, concrete hotel, 1st St., here, for McHilbray & Taylor, doctors, Port Angeles. $150,000.

Calif., Los Angeles—OFFICE and LOFT—A. Freud, c/o Walker & Eisen, archts., Western Pacific Bldg., having preliminary plans prepared 13 story and basement, 60 x 159 ft., rein.-con. and steel, Hill St.

Calif., Los Angeles—Hollywood Y.M.C.A. having plans prepared by P. R. Williams, 3839 Wilshire Blvd., 4 story, 110 x 150 ft., rein.-con. addition, Selma and Hudson Aves. $175,000.

Calif., San Francisco—APARTMENT—R. A. Lee, 105 Montgomery St., had plans prepared by A. H. Larsen, 447 Sutter St., 6 story and basement, brick, Baker and Pacific Sts. $150,000.

Calif., Santa Monica—OFFICE—G. A. Cordingly, et al, 1619 Burton Way., Beverly Hills, plans fireproof building, Arizona Ave. and 3rd St. $250,000 or more. Engineer and architect not selected.

Ont., Cornwall — HOTEL — Randolph Hotel Co. soon takes bids 5 story, 125 room, concrete, steel and brick addition. $210,000.

Ont., Saulte Ste. Marie—HOTEL—Owner, c/o C. E. Schley, archt., 1121 Lafayette Bld., Detroit, Mich., having plans prepared 14 story and basement, 162 x 162 ft., rein.-con., brick and steel, plain foundation. $1,500,000.

Ont., Toronto — APARTMENT — Price Bros., 408 Main St., plans 3 or 4 story, rein.-con., brick and steel, plain foundation; Glen Manor Dr. $250,000. Engineer and architect not selected.

Ont., Toronto—BANK—Canadian Bank of Commerce, 21 King St. W., plans rein.-con., brick and steel, 21 King St. $3,000,000. Engineer and architect not selected.

Bids Desired

Mass., Gardner—BANK—Gardner Co-operative Bank, Main St., taking bids 1 story and basement, rein.-con. brick and steel, plain foundation, Pleasant St. $150,000. O. A. Thayer, 89 Franklin St., Boston, archt. Noted Jan. 13.

Mass., Lynn—APARTMENT—See "Contracts Awarded."

Buildings—Commercial (Continued)

Mass., Mattapan (br. Boston)—STORE and OFFICE—See "Contracts Awarded."

Mass., Norwood—ADMINISTRATION—Norwood Hospital, 792 Washington St., taking bids 2 story and basement, brick and stone, plain foundation, Washington St. $150,000. J. W. Beal Sons Co., 185 Devonshire St., Boston, archts.

Mass., Revere — THEATRE — Universal Realty Trust, S. Hamburger, Park Sq. Bldg., taking bids 2 story and basement, brick and steel, plain foundation, Shirley Ave. and Walnut St. $150,000. J. A. Tuck, Park Sq. Bldg., Boston, archt. Noted Mar. 31.

Mass., Roxbury (sta. Boston) — STORE and OFFICE—See "Contracts Awarded."

Conn., Bridgeport—GARAGE—See "Contracts Awarded."

Conn., Hamden (br. New Haven) — BANK and STORE—May 2, by Hamden Bank & Trust Co., 2 story and basement, 85 x 110 ft., brick, stone, concrete and steel, Dixwell Ave. $200,000. Norton & Townsend, 405 Temple St., New Haven, archts. Noted Mar. 24.

N. Y., Buffalo—STORE and THEATRE—See "Contracts Awarded."

N. Y., Helmuth—STAFF ACCOMMODATIONS—May 4, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, constructing staff accommodations (group 4 semi-detached cottages) at Gowanda State Homeopathic Hospital, here. S. W. Jones, Albany, state archt., adv. E. N.-R. Apr. 14. Noted Mar. 31.

N. Y., Mt. Vernon—CITY HALL—Apr. 29, by G. M. Bartlett, archt., 103 Park Ave., New York City, city hall, for City. Noted Apr. 7.

N. Y., New York—APARTMENT—Apr. 15, by Turner & Bowden, archts., 15 East 40th St., 13 story and basement, 80 x 120 ft., rein.-con., brick and steel, 8-14 Mitchell Pl., for Co-operative Constr. Co., c/o architects. $800,000. Noted Mar. 10.

N. Y., New York—HOTEL—See "Contracts Awarded."

N. Y., Ogdensburg—STAFF ACCOMMODATIONS, etc.—May 4, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, constructing group 3 semi-detached cottages at St. Lawrence State Hospital, here. S. W. Jones, Capitol, Albany, state archt.; adv. E. N.-R. April 14. Noted Mar. 31.

N. Y., White Plains—HALL of RECORDS—Apr. 27, by Bd. Supervs. Westchester Co., Court House, F. L. Merritt, clk., addition and alteration for Hall of Records. B. W. Morris, 101 Park Ave., New York City, archt.; adv. E. N.-R. Apr. 14.

N. J., Atlantic City—OFFICE—Apr. 19, by Ballinger Co., archts., 12th and Chestnut Sts., Phila., Pa., 8 story, 38½ x 150 ft., rein.-con. and brick, plain foundation, Mt. Vernon and Pacific Sts. here, for Professional Arts Realty Co.

N. J., Cranford — APARTMENT — See "Contracts Awarded."

N. J., Newark—OFFICE—See "Contracts Awarded."

Pa., Pittsburgh—LODGE—Apr. 20, by Knights of Pythias, 415 South 19th St., Phila., 3 story and basement, brick and steel, Central Ave., here. $250,000. L. A. Bellinger, 525 5th Ave., archt. Noted Mar. 3.

Pa., Phila.—HOME—Apr. 21, by Ballinger Co., archts., 12th and Chestnut Sts., 5 story, 36,918 sq.ft. floor space, rein.-con., brick, steel, limestone and granite, plain foundation, Conshocken and Belmont Aves., for Phila. Home for Incurables, 48th St. and Woodland Ave. Noted Sept. 16.

Pa., Phila.—HOSPITAL—Apr. 19, by E. J. Perrott, archt., 1211 Arch St., 4 story and basement, 42 x 65 ft., rein.-con., brick and steel addition, plain foundation, Broad and Fitzwater Sts., for Womens Southern Homeopathic Hospital.

Pa., Phila.—THEATRE—Apr. 28, by Hoffman-Henon Co., archts., Finance Bldg., 1 story, gallery and basement, 128 x 151 ft., rein.-con., brick and steel, plain foundation, Kensington Ave. and Cumberland St., for Stanley Co. of America, 1916 Race St.

O., Cleveland — STORE, SUITES and THEATRE—A. Greenwald & S. H. Stecher, Society for Savings Bldg., taking bids and open same about Apr. 27, 1 and 2 story, 118 x 220 ft., brick and steel, Lorain Ave. near West 118th St. $350,000. N. Petti, Williamson Bldg., archt.

Ind., East Chicago—APARTMENT—Apr. 15, by A. Kuntz, Hammond, 4 story and basement, 116 x 127 ft., brick and steel, here. $150,000. A. C. Berry, Hammond, archt.

Ind., Elkhart — Zimmerman, Saxe & Zimmerman, archts., 212 East Superior St., Chicago, Ill., taking bids 4 story and basement, 82 x 164 ft., rein.-con. and brick, building, here, for Y. M. C. A. $250,000.

Ill., Chicago—APARTMENT—Koenigsberg & Wiesfeld, archts., 155 North Clark St., taking bids 7 story and basement, 50 x 150 ft., rein.-con., brick and terra cotta, 5737 Kenmore Ave., for S. Clifford & Co., 111 West Washington St. $425,000.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—APARTMENT—C. C. Frye, archt., Grosse Bldg., taking bids 4 story and basement, rein.-con., Bway. and School St. $150,000. Owners name withheld. Noted Apr. 7.

Contracts Awarded

N. H., Grasmere—HOSPITAL—Grasmere Co. Hospital, 3 story, basement, and 2 wings, brick, plain foundation, to Burton & Bernard, 684 Auburn St., Manchester. Archts. est. $150,000. Noted Apr. 7.

Mass., Boston—APARTMENT—Shawmut Real Estate Trust, 41 Norway St., Boston, altering and constructing 4 story and basement, brick addition, plain foundation, 14-66 Norwaw St., to Leighton & Mitchell Co., 90 Chauncy St. Archts. est. to exceed $150,000.

Mass., Boston—STORE and OFFICE—Holland System, Real Estate Dept., Haymarket Sq., altering 5 story and basement, brick and stone, 51-57 Hanover St., to J. Grosky, 15 Astoria St., Mattapan. Archts. est. $150,000. Noted Mar. 3.

Mass., Cambridge (Boston P. O.)—APARTMENT—Harvard Housing Trust, 9 Park St., Boston, 3 story and basement, 90 x 115 ft., brick and steel, plain foundation, Gibson St., to C. H. Cunningham & Son Co., 23 Central Ave., Lynn. $150,000. Noted Mar. 24.

Mass., Lynn — APARTMENT — G. M. Prunier, 42 West Baltimore St., will build 4 story and basement, brick and stone, plain foundation, 117 Lewis St. $150,000. Work will be done by separate contracts. B. E. Porter, Tremont Bldg., Boston, archt. Noted Mar. 24.

Mass., Mattapan (br. Boston)—STORE and OFFICE—V. Primpas, Oakland St., will build 3 story and basement, brick and stone, plain foundation, River St. near Mattapan Sq. $150,000. Work will be done by separate contracts. F. N. Russell, 42 Blue Hill Parkway, archt.

Mass., Roxbury (sta. Boston)—STORE and OFFICE—Goldberg & Bornstein, 285 Walnut Ave., will build 2 story and basement, 60 x 235 ft., brick and stone, plain foundation, 1280 Tremont St. To exceed $150,000. Work will be done by separate contracts. Eisenberg & Feer, 46 Cornhill, Boston, archts.

Mass., Stoneham—HALL—Stoneham Odd Fellows Hall Assn., W. C. Moulton, secy., 515 High St., altering and constructing 3 story and basement, brick addition, plain foundation, to W. Noonan, 15 High St. Archts. est. $150,000. Noted Jan. 27.

Conn., Bridgeport—GARAGE—E. Lambert, 50 Milne St., will build brick and steel 1027 Fairfield Ave., by day labor. $150,000. Cadillac Co., 532 Fairfield Ave., lessee.

Conn., Hartford—FIRE STATION—City Fire Bd., 2 story, 65 x 95 ft., brick and steel, Main St., to Wise & Upson, 36 Pearl St. $123,000.

Conn., West Hartford (br. Hartford) — APARTMENT—Westford Green Corp., 36 Pearl St., Hartford, 6 story, 165 x 250 ft., brick and steel, North Main St. and Brookside Ave., here, to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $1,250,000.

N. Y., Buffalo—STORE and THEATRE—G. Schaaf, 258 Kingsley St., will build rein.-con., brick and steel, plain foundation, Bailey Ave. $300,000. H. Spann, Calumet Bldg., archt. C. F. Davis, 311 Jackson Bldg., engr. Work will be done by separate contracts.

N. Y., New York—HOTEL—Paramount Hotel Corp., 147 West 47th St., will build 22 story and basement, 100 x 120 ft. hotel, 227-237 West 45th St. $2,000,000. Work will be done by separate contracts. G. and E. Blum, 415 Lexington Ave., archts.

N. Y., New York—OFFICE—Forty-Two-Fifty West 39th Street Corp., 18 story and basement, 95 x 98 ft., 42-50 West 39th St., to Scroeder & Koppel, 347 Madison Ave. Archts. est. $500,000.

N. Y., Troy—HOSPITAL—Bd. Trustees Samaritan Hospital, Burdett Ave., general contract 2 story, brick hospital, to McNeill Constr. Co., 15th and Race Sts., Phila., Pa. Archts. est. $170,000.

N. Y., Yonkers — APARTMENTS — Rayanus Realty Holding Corp., Locust Hill Ave., five 4 story, brick, Pier St. near Hawthorne Ave., to U. S. Adler, Bway. Archts. est. $400,000.

N. J., Cranford—APARTMENT—Riverside Apartment Corp., c/o N. Weletoff, archt., 3010 Hudson Blvd., Jersey City, will build 3 story, 100 x 100 ft., brick, plain foundation, Riverside Dr., here. $150,000. Work will be done by separate contracts.

N. J., Jersey City—APARTMENT—M. Friedman, 191 Van Nostrand Ave., general contract 4 story, 84 x 100 ft., brick, plain foundation, Wayne St., to Meyer Cohen, 55 Fulton Ave. Archts. est. $150,000.

N. J. Newark—APARTMENT—Commonwealth Constr. Co., 51 Stuyvesant Ave., will build 3 story, brick, plain foundation, 333 Washington Ave. $150,000. Work will be done by separate contracts.

N. J., Newark — OFFICE — Hoggson Bros., archts. and engrs., 485 5th Ave., New York City, will build 3 story, 100 x 250 ft., brick and steel, plain foundation, here, for J. A. Roebling's Sons Co., 83 Liberty St., New York City. $500,000. Work will be done by separate contracts.

N. J., New Brunswick—SALES and OFFICE—E. E. Waller & Son., 257 George St., general contract 5 story, 65 x 170 ft., brick and steel, plain foundation, 257 George St., to Austin Co., 120 Bway., New York City. Archts. est. $300,000.

N. J., Somerville—STORE and OFFICE—Main and Division Street Realty Co., Inc., 2 story, brick and steel, store and office building, to B. F. Greasheimer Constr. Co., Manville, $150,000.

Pa., Phila.—EXCHANGE—J. T. Windrim, archt., Commonwealth Bldg., 2 story and basement, 34 x 137 ft., and 56 x 56 ft., rein.-con. and brick, plain foundation, Chelton and Germantown Aves., to E. H. Keefer & Son, 1321 Rodman St., for Bell Telephone Co., 17th and Parkway Sts. Noted Mar. 17.

Md., Frederick—HOSPITAL—Frederick City Hospital, Calvert Bldg., 3 story and basement, irregular shaped, rein.-con., brick and steel addition, plain foundation, to L. C. Culler, Frederick, $150,000.

Fla., Miami Beach—CITY HALL—Miami Beach, c/o City Manager, 3 story, 100 x 300 ft. city hall, to H. A. Peters Co., 11th St. and Washington Ave., $225,000.

Ala., Birmingham — HOTEL—Bankhead Hotel Co., 2320 5th Ave., 2 story, 50 x 100 ft., brick and steel addition, 5th Ave., to A. J. Grefenkemp, Bankers Bond Bldg., $200,000.

Tenn., Nashville — HOTEL — Prichett-Thomas Co., Stahlman Bldg., general contract Hotel Sam Davis, 12 story and basement, concrete, brick and terra cotta, 7th and Commerce Sts., to V. L. Nicholson & Co., 102 West Clinch Ave., Knoxville; heating and plumbing, to J. M. Gallagher Co., 119 5th Ave. N. Archts. total est. approximately $750,000. Noted Mar. 17.

Ky., Louisville—OFFICE—Joseph & Joseph, archts., Francis Bldg. (1st unit), 6 story (ultimately 17 story), 95 x 175 ft. rein.-con., brick, steel and terra cotta, plain foundation, 3rd St. and Bway., to Platdorff & Bush, 122 W. Liberty St., for F. G. Breslin, c/o Breslin Sand Co., 32nd and Market Sts. Archts. est. $600,000. Total $1,500,000. Noted Mar. 24

O., Cleveland—APARTMENT—Moreland Co., 7 story and basement, brick, steel and concrete, Moreland Blvd., to Hamberg Bros., 2935 Woodhill Rd. Archts. est. $300,000.

O., Cleveland — APARTMENT — W. F. Panke, 1315 Edwards Ave., 3 story and basement, 55 x 133 ft., brick, East 73rd St., to Meckler Bros., 623 Lakeview Rd. Archts. est. $150,000. Private plans. Noted Mar. 10.

O., Willoughby—STORE and OFFICE—Painesville & Willoughby Impvt. Co., 7 story and basement, 130 x 240 ft., brick, steel and concrete, to Hamberg Bros., 2935 Woodhill Rd., Cleveland. Archts. est. $500,000.

Ind., Bloomington—APARTMENT—O. H. Williams, Lafayette, general contract rein.-con., brick and steel, here, to C. T. Caldwell, 622 Peoples Bank Bldg., Indianapolis. Archts. est. $150,000.

Mich., Battle Creek—SANITARIUM—Battle Creek Sanitarium, masonry work 15 story, 120 x 225 ft., brick, stone and steel addition, will be done under supervision M. J. Morehouse, arch., 343 South Dearborn St., Chicago, Ill.; plumbing to M. J. Corboy Co., 405 North Desplains St., Chicago, Ill.; heating and ventilating, to Hunter-Krell Co., Battle Creek. Archts. est. $1,500,000. Noted Feb. 3.

Ill., Chicago—APARTMENT HOTEL—I. Vogel, 1000 Loyola Ave., masonry contract 7 story and basement, 50 x 150 ft., 1528-30 Morse Ave., to G. Cassidy & Sons, 4554 Bway.; terra cotta, to Midland Terra Cotta Co., 105 West Monroe St.; carpentry, to

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Buildings—Commercial (Continued)

L. Nelson, 7106 Crandon Ave.; plumbing, to T. Litvin, 3148 West North Ave. Archts. est. $1,000,000.

Ill., Chicago—APARTMENT—Quinn & Christensen, archts., 360 North Michigan Ave., masonry and concrete contract 9 story and basement, 76 x 150 ft., rein.-con., brick and terra cotta, 5541-43 Everett Ave., to H. Janisch & Co., 1801 Winona St., and plastering, to Tobin Plastering Co., 6316 Bway., for Saranac Building Corp., c/o architects. Archts. est. $750,000. Noted Mar. 17.

Ill., Chicago—BANK—West Irving State Bank, Irving and Austin Sts., masonry contract 2 story, 100 x 125 ft., brick, 6001-09 Irving Park Blvd., to S. N. Nielson Co., 3059 Augusta Ave. Archts. est. $200,000.

Ill., Chicago—HOTEL—Theilbar & Fugard, 212 East Superior St., masonry contract 14 story and basement, 75 x 115 ft., brick, 2734-38 Pine Grove Ave., to J. Traff, 3735 North Clark St., for S. Olson and H. Loefler, 721 Belmont Ave. Archts. est. $1,200,000. Noted Mar. 17.

Ill., Decatur—WAREHOUSE and OFFICE—H. W. Metzler & Sons, Thatcher Court, 2 story and basement, 150 x 170 ft., rein.-con. and steel, plain foundation, Cerro Gordo and Franklin Sts., to Cope & Fisher, New Suffern Bldg., $200,000.

Wis., Kenosha—BANK and OFFICE—Childs & Smith, archts., 720 North Michigan Ave., Chicago, Ill., general contract 8 story and basement, 100 x 136 ft., rein.-con., brick, steel and stone, here, to Hutter Constr. Co., Fond du Lac; marble and tile work, to Drake Marble & Tile Co., 58 Plato Ave., St. Paul, Minn., for U. S. Natl. Bank, 213 Market St. Archts. est. $350,000. Noted Feb. 3.

Wis., Milwaukee—THEATRE and STORE—Egyptian Realty Co., general contract 109 x 112 ft. theatre and store, Teutonia Ave., to T. Stark & Co., 130 Muskego Ave., $251,670.

Ia., Davenport—BANK—Clausen, Kruse & Klein, archts., 910 Kahl Bldg., 14 story and basement, rein.-con., granite, steel and Bedford stone, concrete pile foundation, 3rd and Main Sts., to Walsh Constr. Co., Davenport, for Amer. Commercial & Savings Bank. $2,000,000. Noted Feb. 24.

Minn., Rochester—THEATRE—Finkelstein & Ruben, 425 Loeb Arcade Bldg., Minneapolis, and Hamm Realty Co., 316 Hamm Bldg., St. Paul, general contract rein.-con. and brick theatre, here, to Heffron & Fitzgerald, Rochester. Archts. total est. approximately $250,000. Noted Mar. 24.

Mo., Bridgeton—EXPOSITION, etc.—St. Louis Speedway & Fair Assn., c/o R. E. Lee, 3124A Locust Bldg., St. Louis, rein.-con. exposition, 40,000 sq.ft. floor space, also 2 mi. bricked speedway race track, 70 and 80 ft., and 1 mi. dirt track, etc., to W. H. and N. Cunliff, 410 North Euclid Ave., St. Louis.

Tex., Amarillo—HOTEL—E. R. Mayer, 1601 Madison St., 7 story, 90 x 100 ft., brick, stone and rein.-con., 4th and Pierce Sts., to Brenen Co., 1805 Market St. $375,000.

Tex., Midland—STORE and OFFICE—See "Proposed Work."

Okla., Tulsa—OFFICE—McBirney Investment Co., c/o E. W. Siffle, archt., 407 Natl. Bank Bldg., 10 story and basement, rein.-con., brick, stone and terra cotta, to Swenson Constr. Co., Shubert Theatre Bldg., Kansas City, Mo. Archts. est. $450,000. Noted Mar. 31.

Ore., Portland—OFFICE—North Pacific Investment Co., Pacific Bldg., 6 story, 50 x 100 ft., rein.-con. and brick, 6th and Taylor Sts., to Zanello Bros., Worcester Bldg. Archts. est. $500,000. Noted Apr. 7.

Calif., Belvedere—BANK and STORE—Brooklyn State Bank, 2 story, 150 x 156 ft., Brooklyn Ave. and Gage St., to S. C. Clark, 6001 Santa Monica Blvd., Los Angeles, $150,000.

Calif., Long Beach—WAREHOUSE—Long Beach Terminals, Inc., 1005 Sec. Bank Bldg., 6 story, 96 x 108 ft. warehouse, and 1 story 40 x 80 ft. office, both rein.-con., Pico Blvd. and Water St., to Mathis Constr. Co., 337 North Ave. 26, Los Angeles, $750,000. Noted May 6.

Calif., Los Angeles—APARTMENT—L. Siegel, 1561 Venice Blvd., will build 5 story and basement, 45 x 150 ft., rein.-con. 9th and Norton Sts., by day labor and segregated contracts. $175,000. H. B. Pentland, I. W. Hellman Bldg., archt.

Calif., Los Angeles—HOTEL—H. J. Tremain & associates, Chicago, Ill., for Clune Hotel, 12 story and 3 basements, 100 x 153 ft., rein.-con. and steel, 9th St. and Bway., to Edwards, Wildey & Dixon, Edwards & Wildey Bldg., $1,500,000.

Calif., Los Angeles—STORE and OFFICE—Dohrmann Commercial Co., 5 story, 80 x 152 ft., rein.-con. top addition to 8 story building (now under construction), 789 South Flower St., to Scofield Eng. Constr. Co., Pacific Finance Bldg. Total $1,000,000. Noted Sept. 23.

Calif., Sacramento—OFFICE—G. C. Sellon & Co., archts., California State Life Bldg., 16 story and basement, 80 x 100 ft., brick and terra cotta, 17th and J Sts., to Lindgren-Swinerton, Inc., Standard Oil Bldg., San Francisco, approximately $2,000,000. Owner's name withheld.

Calif., Santa Monica—CLUB—Gables Beach Club, 2 story, 76 x 273 ft., steel and rein.-con., on Esplanade, to Trewhitt & Shields Co., Edwards & Wildey Bldg., Los Angeles, $200,000

Calif., Stockton—APARTMENT—F. S. Boggs, c/o J. Losekann, archt., Elks Bldg., excavating for 6 story and basement, steel and brick, Eldorado St., to Frederickson Bros., 1st Natl. Bank Bldg., $24,790, brick and terra cotta work, to E. L. Morrison, 1605 Argonne St., $52,135, and mill work, to Electric Planing Mill, Hazelton and Monroe Sts., $29,861. Grand total $106,786. Noted Mar. 24.

Buildings—Industrial

Proposed Work

Vt., Rutland—MILL—Colonial Marble Co. had plans prepared by L. F. Caproni, engrs. and archts., 1056 Chapel St., New Haven, Conn., 1 story, 175 x 210 ft., brick and steel mill. $50,000.

Mass., Brookline (br. Boston)—SHOP and STORE—A. Goodman, c/o H. J. Bryant & Son, 334 Washington St., having plans prepared 1 story, machine shop and store, Harvard and Alton Places. $40,000 or more.

N. Y., Rochester—FACTORY—Vogt Mfg. Co., 408 St. Paul St., having plans prepared by G. M. Wolfe, engr. and archt., 1377 Main St., Buffalo, 1 story, 320 x 360 ft., rein.-con., plain foundation, Fernwood St. $275,000.

N. J., Jersey City—LAUNDRY—Standard Laundry Co., Inc., 985 Garfield Ave., had plans prepared by C. H. Ziegler, 75 Montgomery St., 2 story, 75 x 122 ft. brick and steel addition, plain foundation, Garfield Ave. $40,000.

Pa., Phila.—WAREHOUSE, etc.—Phila. Hardware Malleable Iron Co., 9th and Jefferson Sts., having plans prepared 2 story and basement, 82 x 190 ft., brick warehouse; 1 story, 60 x 140 ft. steel forge; and 1 story, 36 x 37 ft., steel and brick boiler house, State Rd. and Rahn St. W. J. Steele & Son, 15th and Cherry Sts., engrs.

Md., Baltimore—FACTORY—J. H. Ferguson, 1918 Harford Ave., having plans prepared by F. Thomas, consult. archt., 726 East 33rd St., 3 story and basement, 85 x 185 ft., brick and steel, Aisquith, Curtain and Robb Sts. H. F. Doeleman, 516 North Charles St., consult. structural engr.

Md., Hagerstown—BAKERY—Schmidt Baking Co. having plans prepared by McCormick Co., 121 South Negley St., Pittsburgh, Pa., rein.-con., brick and steel bakery. To exceed $100,000.

Fla., Jacksonville—GARAGE and SHOWROOM—Downs Motor Co., 810 Hogan St., having plans prepared by C. B. Schoeppl, engr. and archt., 2 story, 75 x 260 ft., rein.-con., brick and steel, plain foundation, 446 Riverside St. $175,000.

O., Akron—FACTORY—Directors Akron Cut Stone Co. take bids about May 7, 1 story, 50 x 300 ft. factory, Upson Rd. $50,000.

O., Canton—ELECTRIC MILL—Central Alloy Steel Corp., Canton and Massillon, plans new brick mill east of present mill units. $850,000.

Ill., Chicago—FACTORY—Hills-McCanna Co., 2025 Elston Ave., having plans prepared by Frank Chase, Inc., 720 North Michigan Ave., 1 story, 60 x 200 ft., brick factory, Western Ave. and Nelson St. $40,000.

Wis., Antigo—BOTTLING PLANT—Taylor Beverage Co., Giese, mgr., having plans prepared 1 story, 30 x 60 ft., rein.-con. plant, plain foundation. $40,000. Private plans.

Wis., Kewaskum—FACTORY—Kewaskum Aluminum Co., A. L. Rosenheimer, pres., having plans prepared, 2 story, 50 x 80 ft., rein.-con., brick and steel, plain foundation. $40,000. Private plans.

Minn., Duluth—PLANT—Linde-Air Products Co. & Presto-O-Lite Co. (subsidiaries of Union Carbide & Carbon Corp., 30 East 42nd St., New York City, N. Y., purchased 11 acres and made plans 2 plants vicinity of 39th Ave. W. and Oneota St., here. $500,000 or $250,000 each plant.

Tex., Harlingen—LIGHT PLANT—See "Waterworks."

Tex., Houston—ICE PLANT—Southern Ice & Storage Co., plans 75 ton capacity ice plant, Clark St. $150,000. Engineer and architect not announced.

Colo., Denver—BOILER HOUSE—See "Unclassified."

Calif., Hollister—ICE and COLD STORAGE—Natl. Ice & Cold Storage Co., Postal Telegraph Bldg., San Francisco, having plans prepared probably rein.-con. plant, here. $40,000. Private plans.

Calif., Richmond—FACTORY—Valley Concrete Pipe & Products Co., Yuba City, plans factory on 3½ acre site, Stege Sect. $40,000.

Ont., Leaside—MANUFACTURING and REPAIR SHOP—Canadian Natl. Rys., 230 James St., Montreal, Que., C. S. Gzowski, ch. engr., having plans prepared 2 story, concrete, brick and steel coach, machine, and boiler shops, offices, and transfer table, here. $400,000.

Ont., Peterborough—CLOCK FACTORY—Western Clock Co., Hunter St., having plans prepared by B. H. Prack, 42 James St. N., Hamilton, 3 story and basement, rein.-con., and brick addition, plain foundation. $150,000.

Ont., Toronto—SUBSTATION—Hydro-Electric Power Comn. of Ontario, 190 University Ave., plans electric substation, rein.-con., brick and steel, eastern section, $500,000. F. A. Gaby, 190 University Ave., engr.

Bids Desired

N. H., Nashua—GARAGE and MACHINE SHOP—City, P. D. Sargent, mayor, taking bids 1 story, 60 x 200 ft., and 55 x 60 ft., brick, concrete foundation, East Hollis and Dearborn Sts. To exceed $40,000. S. Belanger & Son, 308 Main St., archts. Noted Mar. 24.

Mass., Haverhill—SUBSTATION—Haverhill Electric Co., 121 Merrimack St., taking bids 2 story, brick and steel electric substation. $40,000 or more. C. H. Tenney & Co., 200 Devonshire St., Boston, archts. Noted Mar. 24.

Mass., Lynn—BAKERY—Cushman Baking Co., N. A. Cushman, pres., 545 Congress St., Portland, Me., taking bids 2 story, 100 x 160 ft., rein.-con., plain foundation, Sanderson St. To exceed $40,000. P. Varney, 25 Exchange St., archt. Noted Feb. 10.

Mass., Lynn—TIRE SHOP and STORE—Essex Tire & Supply Co., N. H. Labovitz, 118-120 Central Ave., taking bids 2 story, 60 x 90 ft., brick, plain foundation. $40,000. G. A. Cornet, 10 Central Ave., archt. Noted Mar. 24.

Pa., Arden (mail Arden Mines)—BOILER HOUSE—Apr. 20, by T. J. Underwood, controller Washington Co., Court House Washington, 1 story boiler house, incl. steam boiler, piping, 4 electric motors, washing machines, water softener, etc., for County Home, here.

Pa., Brownsville—FREIGHT STATION, etc.—Monongahela R.R. Co., G. H. Burnette, ch. engr., taking bids 1 and 2 story, irregular shaped, rein.-con. and steel freight station; also tracks. $150,000. Private plans.

Pa., Chester—GARAGE and REPAIR—Phila. Suburban Gas & Electric Co., 712 Locust St., Phila., taking bids 1 story, 60 x 140 ft., rein.-con. and brick, plain foundation, 2nd and Welsh Sts., here. Private plans.

Ala., Mobile—WAREHOUSE and SHED—See "Unclassified."

Miss., Meridian—MILL—See "Contracts Awarded."

Ill., Springfield—BOILER ROOM—Apr. 18, at Mayor's Office, 1 story, 46 x 50 x 50 ft., brick addition to Water, Light and Power station, plain foundation, on Sangamon River, for City. $40,000. W. Seeley, City Hall, engr., S. J. Hanes, 205½ South 6th St., archt.

Wis., Fond du Lac—PLANT—Wisconsin Power & Light Co., 16 North Carroll St., Madison, taking bids 1 story, 31 x 61 ft., coke storage plant, rein.-con., brick and steel, here. $40,000. Bolch & Lippert, Gay Bldg., Madison, archts. Noted Aug. 12.

Wis., Madison—SERVICE STATION—Hub Co., J. A. Markward, mgr., 328 West Gorham St., taking bids 1 story, 55 x 66 ft., rein.-con., brick and steel, plain foundation. $55,000. Law, Law & Potter, 1st Central Bldg., archts.

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Buildings—Industrial (Continued)

Wis., Menomonie—POWER PLANT and LAUNDRY — Comrs. Dunn Co., Court House, taking bids 1 story, rein.-con., brick and steel, plain foundation, here. $40,000. A. S. Conover, Tenney Bldg., Madison, archt. Noted Jan. 6.

Wis., Richland Center—BOX FACTORY —Southwestern Veneer & Box Co., R. C. Burnham, pres., taking bids 1 story, 100 x 140 ft., rein.-con., brick and steel, plain foundation. $40,000. Private plans. Noted Mar. 24.

Wis., Sheboygan — FACTORY — E. A. Juul, archt., Security Natl. Bldg., taking bids 1 story, 60 x 122 ft., rein.-con., brick and steel, plain foundation, 18th St., for Sheboygan Mattress Co., 19th and South Water Sts. $50,000. Noted Mar. 31.

Wis., Sheboygan—SERVICE STATION and REPAIR SHOP — Sheboygan Motor Co., 1215 North 9th St., taking bids 1 story and basement, 60 x 100 ft., rein.-con., brick and steel, plain foundation, Erie St. $40,000. H. P. Satre, 319 Park Ave., archt.

Calif., Los Angeles—BAKING PLANT—See "Contracts Awarded."

B. C., Victoria—PRINTING HOUSE—Apr. 22, by Dept. Pub. Wks., rein.-con. and stucco, plain foundation, Government and Superior Sts., for Provincial Government. $150,000. P. Phillip, engr., and H. Whittaker, archt., both c/o Dept. Pub. Wks.

Contracts Awarded

Me., Portland—LABORATORY—Schlotterbeck & Foss Co., 36 Brown St., 5 story and basement, 60 x 100 ft., rein.-con., stone and brick, to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass.

Mass., Brighton (Boston P.O.) — DYE HOUSE—Independent Dye House, 122 S. Stephens St., Boston, 1 story, rein.-con. and brick, plain foundation, 33-39, Allerton St., to B. Steinberg, 6 Beacon St., Boston. Archts. est. $45,000.

Mass., Lynn—REPAIR and SERVICE GARAGE — G. Mendelshohn, Grossman Bldg., 1 story, 100 x 175 ft., brick and steel, plain foundation, Union St., to M. Bratt, 14 Central Ave. Archts. est. $50,000. Noted Jan. 6.

Mass., Newburyport — REPAIR SHOP and STOREHOUSE — Beacon Oil Co., 39 Beacham St., Everett, 1 story, rein.-con., brick and steel, plain foundation, Bridge Rd., to Fahey & Gilmore, Hamilton St., East Saugus. Archts. est. $40,000.

Mass., Newton (Boston P. O.)—REPAIR, SALES and SERVICE GARAGE—P. A. Murray & Co., 210 Washington St., 2 story, rein.-con., brick and steel, plain foundation, to R. J. Gauvreau & Co., 11 Beacon St., Boston. Archts. est. $40,000.

N. J., Camden—FACTORY—L. B. Rothschild, archt., 215 South Broad St., Phila., Pa., 5 story and basement, rein.-con. and brick, plain foundation, 9th and Liberty Sts., here, to J. S. Rogers Co., Drexel Bldg., Phila., Pa., for Congress Cigar Co., 3rd and Spruce Sts., Phila., Pa. Noted Mar. 24.

Pa., Carnegie — RAILROAD SHOPS — Pittsburgh & West Virginia R.R. Co., Wabash Bldg., Pittsburgh, general contract 1 story and basement, irregular shaped railroad shops, here, to T. J. Foley Co., Fulton Bldg., Pittsburgh. Archts. est. $150,000.

Pa., Phila. — MANUFACTURING — Publicker Commercial Alcohol Co., Snyder and Swanson Sts., 4 story and basement, 35 x 49 ft., rein.-con. and brick, plain foundation, Delaware and Bigler Sts., to H. H. Levin, Elrae Bldg. Archts. est. $40,000.

Pa., Phila. — FACTORY — Ballinger Co., archts., 12th and Chestnut Sts., 1 story, 80 x 302 ft., rein.-con. and brick, plain foundation, Gaul and Tioga Sts., to Hughes Foulkrod Co., Schaff Bldg., for Phila. Wool Scouring & Carbonizing Co., Trenton and Somerset Sts. Noted Mar. 24.

Pa., Phila.—FACTORY—Natl. Licorice Co., 106 Johns St., Brooklyn, N. Y., 4 story and basement, 137 x 144 ft., rein-con. and brick, plain foundation, 13th and Washington Sts., to W. Steele & Son, 15th and Chestnut Sts. Noted Feb. 17.

N. J., Newark—FACTORY—P. Steiger, 371 Ogden St., general contract 1 story, rein.-con., brick and steel, plain foundation, Ogden St., to R. Allen, Inc., 105 Washington St. Archts. est. $50,000.

N. J., New Brunswick—FACTORY—Brunswick Co., Remsen Ave., general contract 2 story, 75 x 140 ft., brick and steel addition, to I. Cassera, 63 Hale St., Archts. est. $75,000. Noted Mar. 24.

N. J., Paterson—DYE HOUSE—Pierre Garino, 58 Madison Ave., general contract 1 story, 50 x 125 ft., and 75 x 75 ft., brick, plain foundation, 3rd Ave. and East 26th St., to E. Reihl Co., 85 Delaware Ave. Archts. est. $40,000.

N. C., Belmont—POWER HOUSE—See "Buildings—Educational, Religious."

N. C., Pinoca — SILK MILL — Pinoca Mills, Inc., (1st unit) 2 story, 84 x 240 ft., brick, to T. C. Thompson & Bros., 609 North Smith St., Charlotte, $150,000 up.

Miss., Meridian—MILL—Lauderdale Oil Mills, Inc., will build 60 x 160 ft., 50 x 90 ft. and 2 story, 90 x 95 ft., rein.-con., etc. mill buildings, by day labor. Archts. est. $300,000. Private plans.

O., Cleveland — FACTORY — J. Harsch Bronze & Fdry. Co., H. R. Harsch, treas.-genl. mgr. 11612 Madison Ave., 2 story and basement, 60 x 70 ft., brick, steel and concrete addition, to Boldt Constr. Co., 1969 East 70th St. Archts. est. $40,000. Noted Mar. 31.

O., New Comerstown—GARAGE—Leech Motor Co., 1 story, 48 x 120 ft., South River St., to C. Loader, New Comerstown, $40,000.

Ind., South Bend—SHOP ,etc.—D. A. Boswell, 1155 Portage St., general contract 3 story, 66 x 166 ft., rein.-con. and brick machine shop, garage and sales building, to H. G. Christman Constr. Co., South Bend. Archts. est $100,000. Private plans.

Ill., Litchfield — STORAGE PLANT — Standard Oil Co. of Indiana, Litchfield, 1 story, concrete, rein.-con. and brick, plain foundation, Water St., to L. Johnsey, Litchfield, $40,000.

Wis., Merrill — PLANT — Fromm Bros. Co., 3 story and basement, 48 x 68 ft., rein.-con., brick and steel refrigeration plant, etc., to H. J. Seiske, Merrill. Archts. est. $40,000.

Wis., New London — FACTORY — Borden's Condensed Milk Co., 1 story, 98 x 154 ft., brick, rein.-con. and steel addition, plain foundation, here, to Schoenrock Bros. Co., New London. Archts. est. $40,000.

Wis., Sheboygan — SERVICE STATION and REPAIR SHOP—F. V. Cooper & Son, 2330 South 7th St., 1 story and basement, 60 x 75 ft., solid brick, rein.-con. and steel, plain foundation, 8th St., to A. and H. Hummitzsch, 1435 Superior St. Archts. est. $40,000.

Tex., Cementville (near San Antonio)—WAREHOUSE and CLINKER SHED—San Antonio Portland Cement Co., 2 story, 78 x 200 ft., concrete and steel, to A. Vogel & Co., 319 Jones St., San Antonio, $71,679.

Tex., Dallas — SHOP — Neiman-Marcus Co., Main and Ervay Sts., 4 story, brick, terra cotta and rein.-con., Ervay St., to Watson Co., 1927 Akard Sts., $300,000.

Calif., Los Angeles—BAKING PLANT—Safeway Stores, Inc., 1925 East Vernon Ave., will build 5 story, 125 x 145 ft., rein.-con., East Vernon Ave. Work will be done by separate contracts.

Calif., San Francisco—CAN FACTORY—Fishbeck Soap Co., DeHaro and Mariposa Sts., 2 story, 200 x 247 ft., rein.-con., 17th St. near Rhode Island St., to Macdonald & Kahn, Financial Center Bldg., approximately $200,000. Western Can Co., 180 Townsend St., lessee.

Ont., London—GARAGE and REPAIR SHOP—S. Gallagher, King St., 3 story, rein.-con. garage and auto repair shop, to Yates Constr. Co., 17 Main St., East Hamilton. Archts. est. $100,000.

Buildings—Educational, Religious

Proposed Work

Mass., Clinton — SYNAGOGUE — Jewish Community Centre, c/o M. Long, 46 High St., having revised plans prepared by A. J. Smith, 56 Front St., Worcester, 1 story and basement, brick and stone, plain foundation, Water St. $150,000. Noted Feb. 17.

Mass., East Boston (Boston P. O.)—SCHOOL—St. Lazarus Parish, L. Toma, pastor, 12 North St., Boston, having preliminary plans prepared by H. B. Casole, c/o owner, 2 story and basement, brick and stone, plain foundation, Ashlet St., here. $150,000.

Mass., Lynn — HIGH SCHOOL — City School Com., City Hall, plans rebuilding Junior High School, 2 story and basement, brick, Franklin St., partly destroyed by fire. $300,000. Engineer and architect not selected.

Mass., Roslindale (sta. Boston) — SCHOOL—City, Schoolhouse Dept., Boston, plans 2 story and basement, brick, granite and limestone, plain foundation, Beech St., Longfellow Dist., here. $200,000. Engineer and architect not selected.

Mass., Springfield — HIGH SCHOOL — City, Pub. Buildings Dept., takes bids after Apr. 20, Junior High School, 2 story and basement, brick and stone, plain foundation, Chestnut and Prospect Sts. To exceed $150,000. B. H. Seabury Co., 21 Besse Pl., archts. R. D. Kimball & Co., 6 Beacon St., Boston, engrs. Noted Mar. 24.

R. I., Providence—CHAPEL and PARISH HOUSE—Central Congregational Church, Angel St., having plans prepared by Carrere & Hastings, 52 Vanderbilt Ave., New York City, 1 story and basement addition, Deman Pl. and Stimpson Ave. Noted Feb. 17.

R. I., Providence — NURSES HOME — Homeopathic Hospital Corp., D. P. Moulton, secy., Industrial Trust Bldg., having plans prepared by Jackson, Robertson & Adams, Turks Head Bldg., 2 story and basement, brick and stone, plain foundation. $150,000.

N. J., Atlantic City — SCHOOL — Bd. Educ. plans school, Rhode Island Section. $350,000. Engineer and architect not selected.

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Buildings—Educational, Religious (Cont.)

N. J., Elizabeth—HIGH SCHOOL—Bd. Educ., City Hall, having revised plans prepared by H. B. Brady, 333 North Broad St., and takes bids about April 19, 3 story, brick and steel, plain foundation, East Scott Pl. $400,000. Noted Mar. 10.

N. J., Glassboro—HIGH SCHOOL—Bd. Educ. having plans prepared by Ritter & Shay, North Amer. Bldg., Phila., Pa., having plans prepared 2 story high school. $750,000.

N. J., Jersey City—SCHOOL—Bd. Educ., State Bldg., Trenton, having preliminary plans prepared by Guilbert & Betelle, 24 Branford Pl., Newark, 3 story, brick and steel, plain foundation, Hudson Blvd. and Culver Ave., here. $500,000.

N. J., Montclair — DORMITORY — State Bd. Educ., Trenton, having plans prepared by J. O. Bretelle, 20 Branford Pl., Newark, dormitory at State Normal School, here, $225,000; also cottage at Glassboro Normal School. $115,000.

N. J., Passaic — SYNAGOGUE — Owner, c/o Preiskel & Skvaila, archts., Playhouse Bldg., soon lets contract 2 story and basement, brick and timber, plain foundation, Washington Pl. $150,000.

N. J., Paterson — SCHOOL — Eastern Academy, 272 North 8th St., having plans prepared by J. C. Van Vlandren, 140 Market St., 2 story, brick, plain foundation, North 8th St. $150,000.

N. J., Pleasantville—SCHOOL—Bd. Educ. having plans prepared by G. H. Vaughn, Guaranty Trust Bldg., Atlantic City, 3 story, brick and steel, plain foundation, Ansley Park. $500,000.

N. J., Pleasantville—HIGH SCHOOL—Bd. Educ. having preliminary plans prepared by S. H. Vaughn, Guarantee Trust Bldg., Atlantic City, high school.

Pa., Pittsburgh — CHURCH — Greek Catholic Church of Holy Ghost, Superior Ave., having plans prepared by C. G. Strong, 1 Keystone Bldg., 2 story and basement, irregular shaped, brick and steel, Superior Ave. $150,000.

Tenn., Sewanee—COLLEGE—University of South raising $480,000 funds, new library, dormitories, dining hall, gymnasium and power plant, on campus. B. F. Finney, Sewanee, vice councellor. Noted Nov. 11.

O., Cleveland Heights (Warrensville P. O.)—SCHOOL—Bd. Educ., C. W. Roche, 14387 Superior Rd., Cleveland, having plans prepared by J. H. Graham & Co., 1612 Euclid Ave., Cleveland, 2 story and basement, brick and concrete, Canterbury Rd. $300,000.

Mich., Olivet—GYMNASIUM and ADMINISTRATION—Olivet College, A. E. Vestling, pres., plans 2 story gynasium, and 3 story administration building rein.-con., brick and steel, plain foundation, on campus, $1,000,000. Engineer and architect not selected. Steam heating, etc.

Ill., Chicago — NURSES HOME — St. Bernardo Hospital, 6338 Harvard Ave., having preliminary sketches made by J. W. McCarthy, 139 North Clark St., 4 story, 50 x 186 ft. nurses home, 6337 Harvard Ave. $600,000.

Wis., Milwaukee—SCHOOLS—City having plans prepared by Bd. School Directors, 5 story, 125 x 130 ft., Fernwood St., $300,000; also 3 story and basement, 180 x 270 ft., 27th Ave., $750,000, both brick, plain foundations.

Wis., Sheboygan—HIGH SCHOOL—Plans issuing $150,000 bonds, rein.-con., brick and steel high school, here, for Bd. Educ. Engineer and architect not selected.

Minn., Minneapolis—GYMNASIUM and FIELD HOUSE—Comrs. Administration and Finance, Capitol, St. Paul, having revised plans prepared by C. H. Johnston, 360 Robert St., St. Paul, rein.-con. and brick gymnasium and field house, State University Campus. Former bids rejected. Noted Mar. 17.

Mo., Columbia—CHURCH and SOCIAL CENTER—First Baptist Congregation, c/o L. W. Smith, pastor, soon lets contract 3 story and basement, rein.-con., brick and stone, Bway. and Waugh St. $250,000. L. B. Pendleton, 73 DeMenil Bldg., St. Louis, archt. Noted Feb. 10.

Mo., St. Louis—DENTAL SCHOOL—Washington University, Skinker and Lindell Blvds., having preliminary plans prepared rein.-con., brick and stone, Euclid and Scott Aves. $250,000-$300,000. Engineer and architect not announced.

Tex., San Antonio—EDUCATIONAL—Laurel Heights Methodist Church, c/o C. Fletcher, pastor, having plans prepared by Adams & Adams, c/o Builders-Exchange Bldg., 4 story and basement, rein.-con. and brick, plain foundation, incl. swimming pool, gymnasium, etc., Woodlawn Ave. and Belknap Pl. $200,000.

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Calif., Colton — SCHOOLS — Colton City School Dist. voted $150,000 bonds, two new grammar schools. Allison & Allison, Hibernian Bldg., Los Angeles, archts. Noted Mar. 10.

Calif., Oakland—SCHOOL—May 3, by J. W. Edgewood, secy. Bd. Educ., 1 story, rein.-con, Park Blvd. and Hopkins St. $500,000 or more. Noted Jan. 13.

Que., La Tuque—CONVENT—J. Caron, archt., Three Rivers, soon lets contract 4 story, 90 x 160 ft., convent, here, for Roman Catholic Church. $150,000.

Que., Montreal—SCHOOL—Roman Catholic School Comn., St. Catherine St., soon takes bids concrete, brick and steel school, for St. Vincent Ferrier. $190,000.

Que., Montreal—SCHOOL—Comrs. Roman Catholic School, St. Catherine St., soon takes bids concrete and stone school for Notre Dame du Mont Carmel. $160,000.

Que., Montreal — SCHOOLS — Roman Catholic School Comn., 87 St. Catherine St., soon takes bids stone school, de Gaspe St., for St. Cecile Parish $200,000, and teachers home $35,000; also brick, stone and steel school for Name of Jesus Parish, $200,000.

Que., Montreal—SCHOOL, etc.—Roman Catholic School Comn., St. Catherine St., soon takes bids school and residence, St. Cunedgonde St., $240,000; also school for Parish of Notre Dame de Pertpetual Secours, $200,000.

Que., Montreal — SCHOOL — Catholic School Comn. plans borrowing $1,000,000, new construction.

Que., Portneuf—CHURCH—A Gayne, pastor, soon takes bids Roman Catholic church, stone and brick, $200,000.

Bids Desired

Mass., Chelsea (br. Boston) — HIGH SCHOOL—St. Rose's Parish, M. J. Scanlon, pastor, taking bids altering and constructing 2 story and basement, brick and stone addition, plain foundation. $150,000. E. T. P. Graham, 171 Newbury St., Boston, archt. Noted Jan. 7.

Mass., Fall River—CHURCH—Immaculate Conception Church, G. H. Flannagan, pastor, taking bids 1 story and basement, brick, stone and granite, plain foundation. $150,000. Maginnis & Walsh, 100 Boylston St., Boston, archts.

Mass., Somerville (Boston P. O.) — CHURCH—St. Polycarps Roman Catholic Church, F. J. Butler, pastor, 399 Medford St., taking bids 1 story and basement, brick and stone, Temple St. and Mystic Ave. $150,000 or more. O'Connell & Shaw, 134 Newbury St., Boston, archts.

Mass., West Roxbury (Boston P. O.) — CHAPEL—St. Joseph's Parish, c/o McLaughlin & Burr, archts., 88 Tremont St., Boston, taking bids 2 story and basement, brick and stone, plain foundation, Baker and La Grange Sts., here. $150,000. Noted Feb. 3.

R. I., Providence—SCHOOL—Apr. 18, by Pub. Building Dept., City Hall, 3 story, 60 x 200 ft., brick and steel school, with 50 x 72 ft. gymnasium, Veazie St. $550,000. T. J. Hill Pierce, 275 Washington St., archt.

Conn., Middletown — LABORATORY — Wesleyan University taking bids 2 story and basement, 55 x 125 ft., rein.-con. and brick biological laboratory. McKim, Mead & White, 101 Park Ave., New York City, archts.

Conn., Waterbury — SCHOOL — City, School Bd., taking bids 2 story and basement, 50 x 92 ft., and 42 x 70 ft., brick and steel addition, Green and Drayer Sts. $150,000. T. Freney, 51 Leavenworth St., archt. Noted Jan. 20.

N. Y., Jamestown—SCHOOL—Apr. 22, by Bd. Educ., High School Bldg., school, Pine and 8th Sts., $250,000. Beck & Tinkham, Bailey Bldg., archts. Plumbing, heating, electrical work, roofing, sheet metal etc.

N. Y., Sonyea—NURSES HOME, etc.—May 4, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, nurses home, admission building, 1st assistant phyicians house, Staff Buildings "A" and "B," teachers and students buildings, etc., at Craig Colony, here. S. W. Jones, Albany, state archt.; adv. E. N.-R. Apr. 14. Noted Mar. 31.

N. J., Morristown—NURSES' HOME—All Souls Hospital, Mt. Kemble Ave., taking bids 3 story and basement, 45 x 105 ft., brick, plain foundation, Mt. Kemble Ave. $150,000. N. J. Convery, 32 Walnut St., Newark, archt.

Pa., Mercersburg — DORMITORY and CLASS ROOM — Apr. 21, by Day & Klauder, archts., Franklin Bank Bldg., Phila., 5 story and basement, 42 x 130 ft., rein.-con., brick and steel, plain foundation, here, for Mercersburg Academy, c/o W. M. Irvine, pres.

O., Springfield—SCHOOL—June 1, by Bd. Educ., 2 story and basement, Kenwood Ave. and Beacon St. $200,000.

Ind., Indianapolis — SCHOOL — Apr. 25, by School Comrs., 150 North Meridian St., rein.-con., brick and steel, 57th St. and Central Ave. $200,000. Kopf & Deery, 620 K. of P. Bldg., archts. Snider & Ross, 703 Merchants Bank Bldg., engrs.

Mich., East Jackson—SCHOOL—Apr. 22, by E. E. Powers, secy. Bd. Educ., 3 story and basement, 90 x 92 ft., rein.-con., brick and steel addition, plain foundation, $150,000. Warren Holmes-Powers Co., Lansing, archts.

Mich., Hazel Park (Royal Oak P. O.) — SCHOOLS—Apr. 20, by S. I. Durbin, secy. Bd. Educ., John R St. and Nine Mile Rd., one 7 room and one 8 room, 2 story and part basement, rein.-con., brick and steel additions, plain foundations, Martin, RI. $160,000. Burrowes & Eurich, 415 Brainard St., Detroit, archts. Noted Mar. 17.

Mich., Highland Park (br. Detroit)—SCHOOL—Apr. 19, by H. C. Daley, bus. mgr. Bd. Educ., Glendale and 2nd Aves., 2 story and basement, rein.-con., brick and steel, High land and 2nd Aves., $250,000. Burrowes & Enrich, 700 Architects Bldg., 415 Brainard St., Detroit, archts.

Mich., Lansing—HIGH SCHOOL—Apr. 18, by Bd. Educ., and J. N. Churchill, archt., Prudent Bldg., 3 story and basement, rein.-con., brick and steel high school $1,000,000. Noted Nov. 11.

Mich., Rogers—SCHOOL—Apr. 26, by G. W. Grambau, secy. Union School Dist., 2 story and part basement, 100 x 200 ft., U-shaped, rein.-con., brick and steel, plain foundation, incl. combined gymnasium and auditorium. $200,000. R. V. Gay, St. Johns, archt.

Mo., University (mail St. Louis) — CHURCH — First Presbyterian Congregation, c/o T. B. Teasdale, chn. building com., 5830 Coates Ave., taking bids and open same about Apr. 21, 1 and 2 story and basement, rein.-con., brick and stone, Delmar Blvd. and Overhill Dr. $250,000. Le Baume & Klein, Compton Bldg., St. Louis, archts.

Calif., El Segundo—HIGH SCHOOL—Apr. 18, by Bd. Trustees El Segundo High School, 2 story, 198 x 246 ft. auditorium, 2 story, 63 x 104 ft. household arts building, 1 story, 63 x 104 ft. liberal arts building, and 1 story, 90 x 104 ft. gymnasium, all brick and concrete. $225,000. A. W. Rea & C. E. Garstang, 915 Pacific South West Bank Bldg., Los Angeles, archts. Noted Nov. 26.

Que., Three Rivers — COLLEGE — See "Contracts Awarded."

Ont., Fort Frances—SCHOOL—R. E. Mason, archt., Fort William, taking bids 2 story and basement, rein.-con., brick and steel addition, 1st St., here, for Bd. Educ. $150,000.

Contracts Awarded

Mass., Grafton—LIBRARY—Town, H. L. Nichols, chn. building com., 2 story and basement, brick, stone and granite, plain foundation, to L. Rocheford & Son, 44 Front St., Worcester. Archts. est. $155,000. Noted Feb. 24.

Mass., Newton (Ind. br. Boston)—HOME—Baptist Home of Massachusetts, 308 Brookline St., Cambridge, 3 story and basement, irregular shaped, brick and limestone, plain foundation, Commonwealth Ave., to Fuller Constr. Co., 31 Milk St., Boston, archts. est. $300,000; plumbing, to Cos & Johnson, 275 Bway., Boston, archts. est. $25,000; heating and ventilating system, to V. J. Kenneally, 256 Dover St., Boston. Archts. est. $30,000. Noted Mar. 24.

Mass., Watertown — HIGH SCHOOL — Town, School Comn. 2 story and basement, brick and stone addition to West Junior High School, plain foundation, Waverly St., to W. H. Iliffe, 93 North Beacon St. Archts. est. $150,000. Noted Mar. 24.

Mass., West Somerville (br. Boston)—CHURCH—Church of the Nazarene, T. W. Long, pastor, 362 Highland Ave., Somerville, 1 story and basement, brick and stone, plain foundation, Elm and Russell Sts., here, to Edwards & Monahan, Hildreth Bldg., Lowell. Archts. est. $150,000. Noted Mar. 10.

Mass., Worcester—SCHOOL—City, Pub. Buildings Dept., 2 story and basement, brick and steel addition, Lee St., to L. Rocheford & Son, 44 Front St. Archts. est. $150,000. Noted Mar. 24.

Mass., Woburn—CHURCH—St. Charles Parish, J. P. Gorham, pastor, altering and constructing 1 story and basement, brick and stone addition, plain foundation, to J. F. Griffin, Co., 15 Exchange St., Boston. Archts. est. $150,000. Noted Apr. 7.

N. Y., Brooklyn—CHURCH—St. John the Evangelist Roman Catholic Church, c/o McGill & Hamlin, archts. and engrs., 415 Lexington Ave., New York City, 2 story, brick, steel and stone, 21st St., here, to

Buildings—Educational, Religious (Cont.)

T. J. Sperling, 103 Park Ave., New York City. Archts. est. to exceed $150,000. Noted Apr. 15, 1926.

N. Y., Douglaston (Ind. sta. Flushing)—SCHOOL—St. Anastasia Roman Catholic Church, school, to T. J. Waters Co., 415 Lexington Ave., New York City, $225,000.

N. J., Irvington—SCHOOL—Bd. Educ., for Columbus School, 2 story, 125 x 125 ft., Windsor, Grand View and Myrtle Aves., to F. and C. Haerter, 769 Dewey Ave., West New York. Archts. est. $200,000.

N. J., Lakewood—DORMITORY—J. W. O'Connor, archt., 162 East 37th St., New York City, general contract 3-story, 100 x 125 ft., brick, plain foundation, here, to E. C. Ballinger & Co., 955 Walnut St., Phila., Pa., for Newman School, Lake Dr., here. Archt. est. $150,000. Noted Apr. 7.

Pa., Kingston—HIGH SCHOOL—School Bd., W. H. Evans, secy., 2 story and basement, 180 x 276 ft., rein.-con. and brick, plain foundation, here, to A. J. Sardoni, Forty Fort, $641,390. Noted Mar. 24.

N. C., Belmont—SCHOOLS and POWER HOUSE—Catholic Orphanage, 3 story, 75 x 185 ft. boys building, 3 story, 75 x 185 ft. girls building, 60 x 85 ft. school and 2 story, 40 x 50 ft., power house, to Southeastern Constr. Co., Trust Bldg., Charlotte, $315,000.

N. C., Charlotte — CHURCH—Methodist Church, for church, 330 ft. long, Indiana limestone, to J. P. Little & Son, Realty Bldg. Archts. est. $600,000. Noted Mar. 11, 1926.

O., Akron — SCHOOL — Bd. Educ., for Spicer School, 2 story and basement, 65 x 218 ft., brick and steel, Carroll St., to W. W. Surber, 109 North Union St., $229,154. Noted Feb. 24.

O., Athens—AUDITORIUM—University Alumni Assn., constructing memorial auditorium, to Chappelear-Gardner Co., Portsmouth, $226,953. Noted Mar. 3.

Wis., Milwaukee—HIGH SCHOOL—Bd. School Directors, F. Harbach secy. general contract altering and constructing 3 story and basement, 100 x 176 ft., rein.-con. and brick addition to North Division High School, 12th and Center Sts., to P. Reisens Sons, 1018 Humboldt Ave., $158,850; heating and ventilating, to Downey Heating Co., 613 Clybourn St., $76,294. Noted Dec. 2.

Minn., Minneapolis — SYNAGOGUE, SCHOOL and COMMUNITY HOUSE — Temple Israel, R. M. Hamburger, chn. building com., Northwestern Bank Bldg., general contract 3 story and basement, rein.-con., brick and stone, 24th St. and Emerson Ave. S., to Balkin Constr. Co., 250 Security Bldg. Archts. total est. approximately $350,000. Noted Jan. 13.

Ark., Little Rock—CHURCH—Mann & Stern, archts., A. O. U. Bldg., 3 story and basement, 45 x 174 ft., and 70 x 82 ft., rein.-con., brick, stone and terra cotta, 10th and Bishop Sts., to Carter & Carter, 1201 Dennison St., for Immanuel Baptist Congregation, J. H. Estes, chn. Archts. est. $200,000. Noted Feb. 24.

Tex., Beaumont—HIGH SCHOOL—Bd. Educ., C. W. Bingham, supt., 2 story and basement, 95 x 250 ft., rein.-con., brick and steel, Church St., to C. Myers, 435 Keith Bldg., $150,000.

Calif., Marysville — HIGH SCHOOL — Marysville High School Dist., constructing high school, to Riley & Tucker, Union Bldg., Stockton, $336,979.

Que., Three Rivers — COLLEGE — Seminary of Three Rivers will build 4 story 80 x 100 ft. college, by day labor, under supervision, A. Dube, $500,000. Noted Mar. 10.

Federal Government Work

Proposed Work

N. J., Bayonne — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., rejected bids Mar. 24, U. S. Post Office, here. Noted Mar. 3.

Bids Desired

N. Y., St. George—Cylinders—Apr. 26, by Supt. Lighthouses, 400 steel cylinders complete, 180 cu.yd. capacity when full, for transportation compressed acetylene gas to meet I.C.C. requirements.

D. C., Wash.—Pipe Fittings, etc.—Apr. 23, by A. L. Flint, gen. purch. officer, Panama Canal, pipe fitting, sluice gates, cast-iron pipe, valves, pig iron, chains, chain links, brick, furnace cement, asphalt tar, coal tar pitch, etc.

Va., Norfolk—Quarters—Spec. 5253—Apr. 27, by Bureau Yards & Docks, Navy Dept., Wash., D. C., Junior Officers and Pharmacists Quarters at U. S. Naval Hospital, here. Noted Mar. 24.

Ga., Augusta—Nurses Home, etc.—May 17, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing nurses home and officers quarters, at U. S. Veterans Hospital 62, here.

La., Carville — Addition — May 11, by Treas. Dept., at office Supervising Archt., Wash., D. C., addition to administration building at U. S. Marine Hospital, here.

Ill., Dwight—Fire Alarm System—May 3, by U. S. Veterans Bureau, Arlington Bldg., fire alarm system, at U. S. Veterans Hospital 53, here.

Mich., Whitefish Point—Quarters—Spec. 5277—May 4, by Bureau Yards & Docks, Navy Dept., quarters at Naval Radio Station, here. Noted Mar. 31.

Wis., Milwaukee—Steel Rods—May 14, by Supt. Lighthouses, Milwaukee, Wis., 200,000 lbs. straight and bent deformed steel rods fabricated for concrete reinforcing for Lansing Shoal Light Station; adv. E. N.-R. Apr. 14.

Wis., Milwaukee — Steel — Apr. 23, by Supt. Lighthouses, 180,000 lbs. fabricated steel H columns, I-beams, channels, plates for erecting at Lansing Light Station, here; adv. E. N.-R. Apr. 14.

Wash., Camp Lewis—Barracks—May 5, by Constructing Quatermaster, fireproof barrack buildings; adv. E. N.-R. Apr. 14. Noted Jan. 20 under "Tacoma."

Calif., Eureka—Stone—Apr. 25, by U. S. Engineer Office, Customhouse, San Francisco, 65,000 tons stone for jetty construction in Humboldt Bay.

Contracts Awarded

Mass., Boston—Railroad—Spec. 5352—Bureau Yards & Docks, Navy Dept., Wash., D. C., railroad track on Pier 4, to Newport Contg. & Eng. Co., Newport News, Va., $19,000. Noted Mar. 17.

N. Y., Albany—Dredging—U. S. Engineer Office, Army Bldg., New York City, dredging Hudson River, 11 mi. below here, to United Dredging Corp., Woolworth Bldg., New York City, approximately $388,270. Noted Feb. 17.

D. C., Wash.—Pipe Line—U. S. Engineer Office, Navy Dept., 3rd high pipe line extension on Conduit Rd., to Lock Joint Pipe Co., Ampere, N. J., $448,560. Noted Mar. 10.

Ky., Louisville—Machinery, etc.—U. S. Engineer Office, P. O. Box 72, machinery and piping in power house and turbine pit, at Lock and Dam 47, Ohio River, to Gottman & Weber Co., Evans, Ind., $24,643. Noted Feb. 24.

C. Z., Darien—Water Purification Plant—Spec. 5240—Bureau Yards & Docks, Navy Dept., water purification plant at Radio Station, here, to Newport News Contg. & Eng. Co., Newport News, Va., $11,052. Noted Feb. 17.

Unclassified

Proposed Work

Playground—Waltham (Ind. br. Boston), **Mass.**—City Council plans playground, Woerd Ave. $25,000. Private plans.

Golf Course, etc.—Waterbury, Conn.—Waterbury Country Club, I. W. Day, 111 West Main St., making plans golf course and club house. To exceed $25,000. Parson & Waite, 1 Beacon St., Boston, Mass., engrs. Noted Feb. 24.

Stadium — Asbury Park, N. J. — City Comm. having plans prepared by G. Hadden, 607 5th Ave., New York City, high school stadium. To exceed $150,000. This corrects report in Apr. 7 issue.

Natatorium—Ocean City, N. J.—Ocean City Natatorium Co., Inc., c/o D. M. Ach, archt., 1 Madison Ave., New York City, making plans 2 story, rein.-con., brick and steel natatorium with gymnasium and stores, 6th St. and Wayne Ave., here. $140,000.

Lighting System and Traffic Signals — Albany, Ga. — Authorized $22,000 bonds, extending lighting system, etc.; $2,000 bonds, traffic signals; and $35,000 bonds, enlarging light plant, equipment, rebuilding distribution system.

Stadium—Biloxi, Miss.—Chamber Commerce, A. S. Gorenflo, chn. special com., takes bids in early summer rein.-con. stadium. $31,000. C. Matthes, 216 West Howard Ave., engr. Noted Apr. 7.

Transmission Line—Kentucky and Tennessee—Kentucky and Tennessee Light & Power Co., Mayfield, Ky., making preliminary plans 18 mi. transmission line from Hazel, Ky. to Paris, Tenn. with distribution system in Hazel. $40,000. J. G. White Co., 43 Exchange Pl., New York City, engrs.

Lighting System — Alton, Ill. — Making preliminary plans 266 concrete lighting standards surmounted by 600 candle power lights, cable, etc. on Market, Piasa, Bway., Belle, State West 3rd and 4th Sts. $59,870. J. E. Schwaab, City Hall, engr.

Golf Course—Green Bay, Wis.—Bd. Park Comr., City Hall, plans 9 or 18 hole golf course, etc., Bay Beach Park. $25,000. Engineer not selected.

Grand Stand—Hutchinson, Kan.—Kansas State Fair Bd., A. L. Sponsler, secy., making preliminary plans rein.-con. grand stand $80,000 funds appropriated.

Transmission Line — Texas — Gulf Pub Serv. Co., Jacksonville, making plans and soon take bids 25 mi. high power transmission line from Jacksonville to Troup. $40,000. Private plans.

Transmission Line—Texas—West Texas Utilities Co., c/o G. W. Fry, mgr., Abilene, making surveys, etc. 50 mi. high power transmission line from Spur to Aspermont $75,000. Private plans.

Generating Plant—Rankin, Tex.—West Texas Utilities Co., Abilene, plans generating plant near here. Work will probably be done by own forces. $75,000. Private plans.

Icing Dock—Raymondville, Tex.—Central Power & Light Co., c/o Frost Bldg., San Antonio, purchased 10 acre site and making plans 750 ft., 24 car capacity icing docks. $50,000. Private plans.

Clay and Saxonite Plant—Troup, Tex.—Saxonite Products Co., c/o H. E. Williams, mgr., making plans clay and saxonite plant. $45,000. Private plans.

Swimming Pool, Dance Hall, etc.—Denver, Colo. — Jantzen-Denver Aquatic Athletic Corp., 406 Patterson Bldg., takes bids about Apr. 15, 2 story and basement, 100 x 208 ft., 150 x 275 ft. swimming pool and dance hall, also 33 x 110 ft. boiler house. Speer Blvd. and West 7th Ave. $300,000. E. F. Redding, Opera House Bldg., archt.

Oxygen Plant—Pueblo, Colo.—Colorado Compressed Gas Co., C. O. Epperson, mgr., 2101 Blake St., Denver, purchased site and plans branch manufacturing plant for producing oxygen gas, here. $90,000.

Lighting System — Compton, Calif. — Plans ornamental lighting system on Main St. between Compton Ave. and Long Beach Blvd. To exceed $30,000.

Cargo Shed—Los Angeles, Calif.—City plans 1 story, 900 ft. steel and corrugated iron cargo shed, 120 ft. wide, steel rolling doors, etc., Berths 228-D and E. G. F. Nicholson, city harbor engr.

Lighting System — San Jose, Calif. — Making plans ornamental lighting system on East Santa Clara St. between Coyote River Bridge and 1st St. $25,000 or more. W. Popp, city engr.

Lighting System — Santa Ana, Calif. — Plans ornamental lighting system on portions 3rd and 4th Sts., etc. To exceed $25,000.

Power Development—St. John, N. B.—Petitcictiac Tidal Power Co. Ltd., c/o A. P. Paterson, soon takes bids 100,000 hp. development on Petitcictiac River. $10,000,000.

Electric Street Lighting System—Walkerville, Ont.—Town Council plans extending and altering electric street lighting system, incl. poles, crossarms, wires, transformers, etc. $75,000. H. W. Patterson, town engr.

Coaling Station—Popular Point, Man.—Canadian Pacific R.R. Co., J. M. R. Fairborn, chn. engr., Montreal, Que., soon takes bids 100 ton capacity coaling plant, here.

Pier—Vancouver, B. C.—Vancouver Harbor Comn., 525 Seymour St., making plans and takes bids about May 7, 50 x 250 ft. pier. $385,000. H. W. Frith, 525 Seymour St., engr.

Bids Desired

Special Work—Brooklyn, N. Y.—Apr. 22, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, special work (Order 39), and untreated ties and timber (Order 17) for use in construction Coney Island Yard, here.

Generating Set—Dannemora, N. Y.—May 2, by C. M. Burdick, Medical Supt. Dannemora State Hospital, 75 kw., 115 volt direct current generating set, steam engine, approximately 120 hp. to be operated with steam pressure of 170 lb. at throttle against back pressure of 5 lbs. at approximately 225 r.p.m.; adv. E. N.-R. Apr. 14.

Fire Alarm System—Long Island City, N. Y.—Apr. 20, by J. J. Dorman, fire comr., Municipal Bldg., New York City, portion underground fire alarm system, tie line, in Jamaica Bay Blvd., Queens Boro.

Subway Alterations—New York, N. Y.—Apr. 22, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., altering Route 5, Sect. 3, Bway.-4th Ave. Rapid

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Unclassified (Continued)

Transit R.R. structure, at Broome St. and Bway., Agreement "EZ."

Heating—Sonyea, N. Y.—May 4, by Commissioner Mental Hygiene, Dept. Mental Hygiene, Capitol, Albany, heating work, service mains (replacement of existing heating main), etc. at Craig Colony, here; adv. E.N.-R. Apr. 14.

Scows—Syracuse, N. Y.—Apr. 25, by T. F. Farrell, comr. Canals & Waterways, Albany, 4 steel flat deck scows, at Barge Canal Terminal, here.

Scow—Syracuse, N. Y.—Apr. 26, by T. F. Farrell, comr. Canals & Waterways, Albany, 6 steel dump scows at Barge Canal Terminal, here.

Stadium—Bayonne, N. J.—Apr. 19, by Bd. City Comrs., City Hall, brick and steel stadium, near Newark Bay. $75,000. Osborn Eng. Co., 7016 Euclid Ave., Cleveland, O., engrs. Noted Mar. 24.

Carfloats—Phila., Pa.—Apr. 22, by C. D. D. Young, genl. purch. agt. Pennsylvania R. R. Co., 713 Broad St. Sta., constructing steel car floats, 4 each 250 ft. long, 34 ft. beam and 9 ft. deep; two, 330 ft. long, 38 ft. beam, and 9.5 ft. deep; and two, 185 ft. long, 34 ft. beam and 9.5 ft. deep, Contr. 4274. T. J. Skillman, Broad St. Sta., ch. engr. railroad.

Elimination of Grade Crossing—Emsworth, (mail Pittsburgh), **Pa.**—See Streets and Roads."

Warehouse and Shed—Mobile, Ala.—Apr. 30, by Alabama State Docks Comn., State Office Bldg., constructing concrete and steel warehouse and sheds for Pier 2. W. L. Sibert, chn.; adv. E. N.-R. Apr. 14.

Swimming Pool and Bath House—Cleveland, O. — Apr. 15, by City, constructing swimming pool and bath house at Forest Hill Parkway. W. Bintz, Lansing, Mich., engr.

Refrigerating Plant, Stokers, etc.—East Moline, Ill.—Apr. 26, by Division Architect & Engineer, Capitol Bldg., Springfield, refrigerating plant, equipment, ice storage room, boilers, stokers, pumps, equipment, heating and plumbing, coal bunkers, weigh larry equipment, switchboard and wiring, fire escape, greenhouse, etc. at Watertown State Hospital, here.

Culverts—Clinton, Ia.—See "Bridges."

Culverts, etc.—Estherville, Ia.—Apr. 18, at office Auditor Emmet Co., 12 circular and 4 box culverts and extensions. F. A. MacDonald, Estherville, co. engr.

Culverts, etc.—Emmetsburg, Ia.—Apr. 19, at office Auditor Palo Alto Co., 12 box culverts and one 50 ft. pony truss bridge. T. R. Martin, Emmetsburg, co. engr.

Grain Elevator—Floydada, Tex.—Marshall Grain Co., c/o L. A. Marshall, taking bids rebuilding 26 x 28 ft., grain elevator, rein.-con., recently destroyed by fire. $40,000. Private plans.

Pipe Line — Oklahoma — See "Contracts Awarded."

Wharf Shed — Oakland, Calif. — G. B. Hegardt, secy. Oakland Port Comn., taking bids 180 x 504 ft., wood truss and concrete wall construction, foot 14th St. Noted Mar. 17.

Pier Extensions—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., taking bids rein.-con. extensions to Piers 30 and 32. $150,000 or more. F. G. White, Ferry Bldg., engr.

Contracts Awarded

Culvert — Brooklyn, N. Y. — Park Bd., Dept. Parks, F. D. Gallatin, pres. Arsenal Bldg., Central Park, New York City, constructing c.i. culvert with concrete end and wing walls at Coney Island Creek, Ocean Parkway, to T. J. Graham, 86-16 86th St., Woodhaven, $36,027. Noted Feb. 24.

Special Work — Brooklyn, N. Y. — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, special work for Coney Island Yard, here, (Order 38), to Bethlehem Steel Co., 25 Bway., New York City, $28,430. Noted Mar. 24.

Swimming Pool—Lansdowne, Pa.—New St. Vincents Home, Lansdowne and Garretsford Sts., 38 x 100 ft. swimming pool, and 1 story, 59 x 60 ft. recreation building, to Farrell Roth Constr. Co., 21st and Walnut Sts., Phila.

Pier—Phila., Pa.—Dept. Wharves, Docks & Ferris, Pier 4, foot Chestnut St., superstructure for Pier 80, Jackson St., Moyamensing Group, to McLean Contg. Co., Chestnut St. Wharf, $363,000. Engrs. est. $500,000. Noted Mar. 17.

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Gas Mains—Detroit, Mich.—Detroit City Gas Co., Clifford St., approximately 6,250 ft. 16 in., and 9,088 ft. 24 in. c.i. gas mains in Kercheval Ave., Cadieux Rd. and Fort St., to R. A. Mercier Co., 5435 Wesson Ave., approximately $55,000. Owner furnishes material.

Speedway—Bridgeton, Mo.—See "Buildings—Commercial."

Pipe Line—Texas—Southern Pipe Line Co. (subsidiary of Crude Oil Purch. Co.), San Angelo, 20 mi. 8 in. pipe line in Crane and Upton Counties, approximately 12,000 bbl. daily capacity, to Henry & Holland, McCamey, approximately $35,000.

Pipe Line — Oklahoma — Oklahoma Pipe Line Co., Muskogee, 47 mi. 10 in. pipe line from Council Hill to Cromwell, to Republic Iron & Steel Co.; stringing pipe, to C. L. Clay, Drumright; laying pipe and digging ditches, etc., will be done by company forces.

Lighting System—Long Beach, Calif.—Ornamental lighting system on portion 7th Ave., to J. R. Davies, 2131 Santee St., Los Angeles, $52,225.

Lighting System—Los Angeles, Calif.—See "Streets and Roads."

Lighting System—Los Angeles, Calif.—Supervs. Los Angeles Co., ornamental lighting system on Allen Ave., to Osborn Electric Co., 450 California Terrace, Pasadena, $69,448. Noted Mar. 3.

Swimming Pools — Montebello, Calif. — For 2 rein.-con. swimming pools, one 380,000 gal. and other 45,000 gal. capacity, to Bristow Co., 1915 Wilshire Blvd., Santa Monica, $24,459; filtration and sterilization equipment, to C. W. Sirch, 126 West 3rd St., Los Angeles, $13,370. Noted Mar. 24.

Grain Elevator—Owen Sound, Ont.—Great Lakes Elevator Co., 1,000,000 bu. capacity grain elevator, concrete and rein.-con., to Barnett McQueen Constr. Co., Fort William. Engrs. est. $400,000.

Runway—Toronto, Ont.—Harris Abattoir Co. Ltd., Union Stock Yards, steel concrete and timber runway, concrete, to H. M. Scott & Co. Ltd., 124 Pears Ave.; and structural steel, to McGregor & McIntyre, 1139 Shaw St. Engrs. est. $25,000.

Grain Elevator—Vancouver, B. C.—Vancouver Harbor Comrs., 525 Seymour St., piling and concrete capping for additional storage bins to No. 3 elevator, to Northern Constr. Co., 736 Granville St., $35,000. Noted Mar. 24.

Materials

Proposed Work

Water Pipe—De Kalb, Ill.—Bd. Local Impvts. takes bids about Apr. 17, 1 car load 4 in. water pipe. G. N. Blackman, city clk.

Bids Desired

Edgestones—Boston, Mass.—Apr. 18, by Supply Dept., granite edgestones for Penal Institutions Dept., Deer Island. $5,000. H. S. Frost, c/o owner, engr.

Cinders—Brooklyn, N. Y.—Apr. 20, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 15,000 cu.yd. steam cinders.

Trap Rock, etc.—New Jersey—May 2, by State Hy. Comn., Trenton, crushed trap rock, limestone, dolomite or gneiss; ¾ in. washed gravel or stone; concrete size crushed stone or gravel; concrete sand; pea gravel; and crushed slag, dustless screenings, etc. A. L. Grover, secy.; adv. E. N.-R. Apr. 14.

Copper Pipe—Baltimore, Md.—Apr. 20, by Bd. Awards, 20,000 lin.ft. copper pipe to Bureau Water Supply. G. F. Wieghardt, City Hall, water engr.

Roofing Material, Fire Hydrants, etc.—Jackson, Miss.—Apr. 18, by State Hospital Removal, Impvt. & Land Sale Comn., Roofing material, lead and okum, c.i. pipe, concrete mixer, ditch digger, shovels, wheel barrows, spades, picks, reinforcing steel, constructing 2 pump houses, etc. for State Insane Hospital, at Howell. N. W. Overstreet, Mississippi Fire Bldg., archt.

Gravel—Oxford, Miss.—Apr. 26, by Bd. Supervs. Lafayette Co., pit run or washed gravel f.o.b. Abbeville.

Gravel—Ripley, Miss.—Apr. 28, by Bd. Supervs. Tippah Co., pit run or washed gravel f.o.b. cars at all cars from Blue Mountain. H. C. Dietzer, Jackson, engr.

Lead Pipe and Pig Lead—Akron, O.—Apr. 19, by A. S. Helpbringer, city purch. agt., 75 tons ¾ in. lead pipe and 50 tons pig lead.

Water Meters, etc.—Berea, O.—May 2, by H. D. Banks, clk. Bd. Pub. Affairs, 1,200 disc. type ⅝ x ¾ in. water meters, other sizes up to 3 in. set of testing equipment, connections, yokes, curb boxes and specials; adv. E. N.-R. Apr. 14.

Cast Iron Pipe, etc.—Milwaukee, Wis.—Apr. 18, by Central Bd. Purchases, J. W. Nicholson ch. buyer, 20 in. Class "C" c.i. pipe, 511 tons plain straight, and 19 tons lugged straight, also 8 tons 20 in. Class "D" special castings; 2 portable air compressors, mounted on trailers, 2 ton truck with special wood body, etc. R. E. Stoelting, city engr.

Timber, Reinforcing Bars, etc.—Le Mars, Ia.—Apr. 19, at office Auditor Plymouth Co., 12 cars untreated and 1 car creosoted lumber, 3 dars red cedar piling, 1 car treated piling, 2,760 ft. culvert pipe, 7 I-beam spans, 14 steel caps and 40,000 lb. ⅝ in. reinforcing bars, etc. G. S. Huxtable, Le Mars, co. engr.

Bids Received

Asphalt and Asphaltic Cement, etc. — Boston, Mass. — City, Supply Dept., 200 tons asphaltic cement to Paving Service, from Standard Oil Co. of New York, Park Sq. Bldg., $25.33 per ton; and 500 tons emulsified asphalt for cold patching, from Headley Good Roads Co., Franklin Trust Bldg., Phila., Pa., $46.68. Noted Mar. 31.

Road Oil and Tar—Boston, Mass.—Supply Dept., 300,000 gal. asphaltic road oil, from Trimont Oil Co., 1440 Parkway, Everett, $0.0738 per gal.; also cold tar patching material for ensuing year, from Independent Coal Tar Co., 88 Broad St., Boston, $29.89 per ton. Noted Mar. 31.

Asphalt and Road Oil—Lowell, Mass.—City, Street Dept., 175,000 gal. penetration asphalt, from M. Moulton, 6 Beacon St., Boston, $0.1117 per gal.; and 150,000 gal. 45% asphalt and road oil, from Texas Co., Park Sq. Bldg., Boston, $0.0866 per gal.

Contracts Awarded

Cement — Boston, Mass. — City, Supply Dept., portland cement in quantities as required, to J. P. O'Connell & Co., 11 Beacon St., at $2.60 per bbl. Noted Mar. 24.

Granite Edgestones — Boston, Mass. — City, Supply Dept., edgestones for street curbings, to S. and R. J. Lombard, 274 Rutherford Ave., Charlestown, $71,500. Noted Mar. 24.

Pipe—Boston, Mass.—City, Supply Dept., c.i. pipe, to Warren Pipe & Fdry. Co., Philipsburg, Pa., $163,392.

Cement, Concrete, etc.—Newton (Ind. br. Boston), **Mass.** — City, cement, concrete, sewer brick, curbing, etc., to C. H. Spring Co., Wellesley, $45,784.

Crushed Stone—Bridgeport, Conn.—City, Bd. Pub. Purchases, to G. T. McCarthy Co., Sykes Dock, 5,000 cu.yd. crushed stone, screenings $2.15, ½ in. $2.20, ¾ in. $2.45, 1 in. $2.20, 1½ in. $2.45, and 2 in. $2.45 per cu.yd.

Tar and Oil, etc.—Towson, Md.—Comrs. Baltimore Co., 280,000 gal. tar and oil, to E. P. Pendleton, 16 East Calverton Rd., Baltimore, $30,800; 125,000 gal. bituminous patching material f.o.b. plant, Dist. 1, to Standard Oil Co., Standard Oil Bldg., Baltimore, and Dist. 2, to Barrett Co., 36th St. and Grays Ferry Ave., Pa. Noted Mar. 10.

Tarvia X—Detroit, Mich.—Dept. Street Railways, Shoemaker and St. Jean Aves., 225,000 gal. Tarvia X to jobs in heated tanks, f.o.b. Detroit, to Barrett Co., Barnes and West End Aves., at $0.155 per gal., total $34,875.

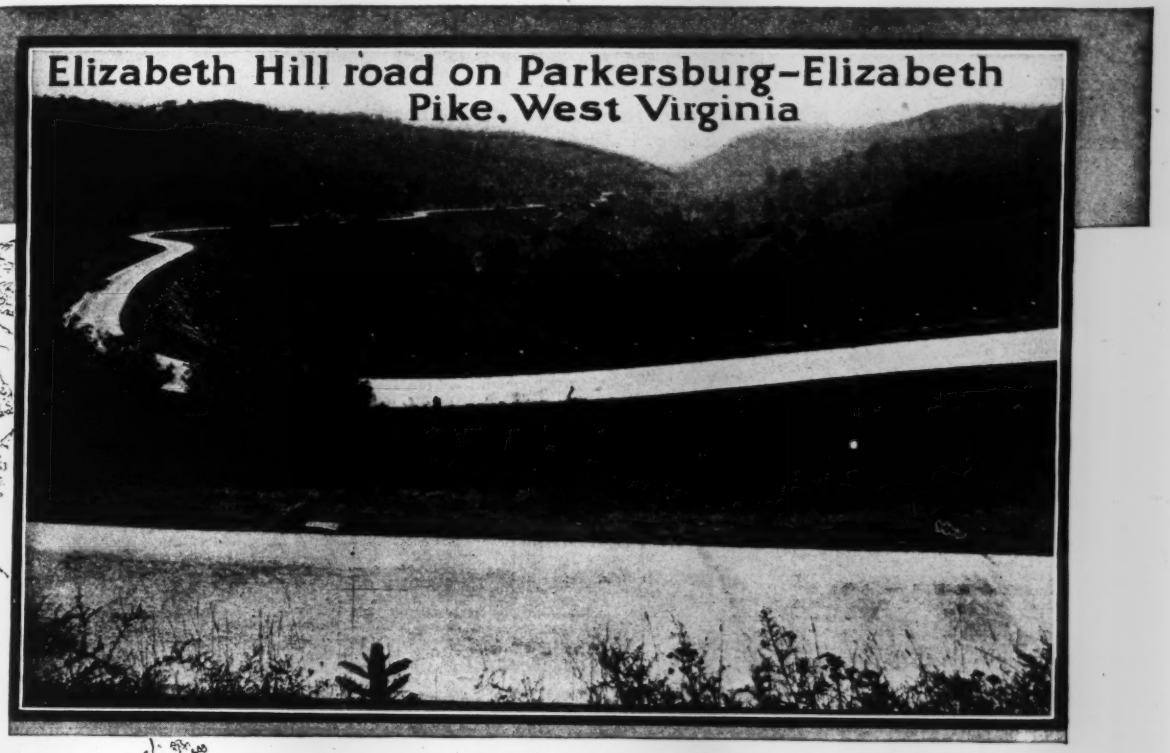
Trap Rock—Minneapolis, Minn.—F. S. Gram, city purch. agt., 16,000 tons crushed granite or traprock, to Trap Rock Co., 211 Commerce Bldg., St. Paul, ¾ in. at $1.25 per ton, ⅝ in. $2.25, and 1½ in. $2. Noted Mar. 10.

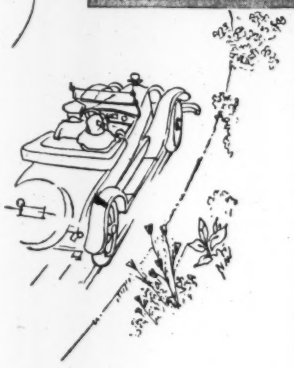
Brass Corporation and Curb Stops, etc.—St. Paul, Minn.—A. E. Eggert, city purch. agt., brass corporation and curb stops, service pipe couplings, etc., to Mueller Co., Decatur, Ill., $14,800. Noted Mar. 24.

Maintenance Lumber—Scottsbluff, Neb.—See "Streets and Roads."

Road Oil—Clayton, Mo.—R. Jablonsky, engr. St. Louis Co., Court House, 1 m.s. 60% road oil, to Furnace Oil Corp., 1426 Wittenberg Ave., St. Louis, at $0.448 per gal., and 100 cars asphalt, to Standard Oil Co. of Indiana, Jefferson and Locust Blvds., St. Louis, at $0.069 per gal. Noted Mar. 17.

See proposal advertising on page 174





ANOTHER enduring monument to good road engineering and dependable road-building materials.

The ALPHA organization is prepared to meet the most exacting requirements of modern road-builders.

Pamphlet on high early-strength concrete on request.

Alpha Portland Cement Co.

EASTON, PA. CHICAGO, ILL.

New York Boston
Philadelphia Baltimore
Pittsburgh St. Louis Battle Creek, Mich. Ironton, Ohio

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Bridge Approaches—New Jersey

Bids were opened by State Highway Commission, Feb. 28, for Delaware River Bridge Approaches, connecting Sects. 4A, 5 and 6, and Route No. 6, Sect. 17, Collingswood to Westville, Camden Co., from (A) S. J. Grove & Sons Co., 114 Marlton Pike, Camden; (B) Union Paving Co., 123 South 21st St., Philadelphia; (C) Henry W. Horst Co., Rock Island, Ill. The unit bids are as follows:

	A	B	C
140,158 cu.yd. excav., unclassified	$0.85	$0.895	$0.22
712,715 cu.yd. borrow	.80	.895	.98
1,638 lin.ft. 18-in. double strength vitr. clay pipe	4.50	3.60	6.00
430 lin.ft. 24-in. double strength vitr. clay pipe	4.50	3.20	4.20
48 lin.ft. 36-in. double strength vitr. clay pipe	8.50	7.30	9.60
828 lin.ft. 60-in. rein. cement con. pipe	18.00	15.00	24.00
266 lin.ft. 18-in. corr. metal pipe	2.50	1.90	3.20
94 lin.ft. 36-in. corr. metal pipe	4.50	4.10	6.00
96 lin.ft. 60-in. corr. metal pipe	13.50	18.00	13.00
246 lin.ft. 12-in. c.i. pipe	4.50	4.65	12.00
462 lin.ft. 18-in. c.i. pipe	6.00	4.05	6.00
108 lin.ft. 30-in. c.i. pipe	12.00	9.00	12.60
356 lin.ft. 36-in. c.i. pipe	17.50	12.00	15.60
6 standard curb inlets	100.00	75.00	100.00
3 standard inlet bottoms	50.00	40.00	70.00
2 standard manholes	200.00	150.00	100.00
2 special manholes 4x7 ft.	250.00	200.00	240.00
2 special manholes 4x7 ft. including 4 lin.ft. 18-in. c.i. pipe, excav., backfilling, frames, etc.	200.00	350.00	170.00
11,280 lin.ft. untreated timber piles	.80	.75	.90
10.34 M ft. b. m. pile bent caps or oak or yellow pine	120.00	125.00	100.00
288 cu.yd. ditching	2.00	2.00	2.40
216 lin.ft. relaid 6-in. c.i. pipe	3.50	2.00	1.80
1 reset manhole frame	10.00	5.00	30.00
2,013 sq.yd. 4-in. cinder surface	.40	.25	.78
1,000 50-lb. charges of 40% dynamite	1.00	13.00	12.00
84,350 cu.yd. unclassified foundation excav.	1.00	.72	1.80
650 lin.ft. rein. con. balustrades of class A (1-1½-3)	8.00	8.00	7.20
2,838 cu.yd. class B (1:2:3½) con.	35.00	39.00	31.00
1,784 cu.yd. class C (1:2:4) con.	32.00	32.00	28.00
455 cu.yd. class D (1:3:5) con.	27.00	27.00	27.00
294,270 lb. reinforcing steel	.06	.06	.05
95 lin.ft. standard metal caging	1.00	1.00	.30
1,700 sq.yd. asphalt block paving, including bituminous mastic and mortar cushion	7.50	4.70	4.20
9,612 sq.ft. fabric waterproofing	.30	.30	.25
6 end timbers of white oak	100.00	90.00	120.00
371,400 lb. structural steel and cast steel fabricated, delivered, erected and painted	.45	.65	.65
110 lb. phosphor bronze castings for bearings	1.00	1.00	.60
1,720 sq.yd. revetment of concrete riprap in bags	5.00	3.00	3.60
39 M ft. b. m. sheet piling for retaining slopes	200.00	200.00	125.00
32,700 lin.ft. wooden foundation piles	1.25	.76	1.00
15.7 M ft. b. m. flooring in cofferdams, including planking, walling, metal fastenings, etc.	140.00	120.00	90.00
Maintenance of navigation and final clearing of sites of all loose material, falsework, equipment and debris (lump sum)	250.00	200.00	500.00
Bridge over Main Branch of Newton Creek, Sect. No. 5 at Sta. 137+30 (lump sum)	250.00	700.00	500.00
Bridge over South Branch of Newton Creek, Sect. No. 5 at Sta. 163+72 (lump sum)	250.00	500.00	500.00
Bridge over Little Timber Creek, Sect. No. 6, at Sta. 212+80 (lump sum)		500.00	
Totals	$1,139,337	$1,162,405	$1,310,450

Sewer—Paris, Tenn.

Bids were opened by City, Feb. 24, (lowest four and highest) for sanitary sewer extensions, from (A) E. H. Hartig, Fulton, Ky. (awarded contract); (B) C. W. Ferris Co., Knoxville; (C) F. D. Harvey Co., Memphis; (D) F. L. Brown, Guthrie, Okla.; (E) E. L. Meadows, Memphis. The unit bids are as follows:

	A	B	C	D	E
6,900 lin.ft. 8 ft. vit. sewer pipe	$0.68	$0.88	$0.85	$1.09	$1.15
500 lin.ft. 10 in. vit. sewer pipe	.89	.97	.95	1.24	1.20
90 lin.ft. 8 in. c.i. pipe	1.85	2.30	2.50	2.50	2.00
160 lin.ft. 10 in. c.i. pipe	2.50	2.90	3.00	3.00	2.50
24 manholes	60.00	50.00	55.00	55.00	60.00
3 flushtanks	130.00	90.00	110.00	105.00	120.00
20 cu.yd. concrete	16.00	19.00	20.00	15.00	20.00
990 sq.yd. pavement cut and rep.	2.50	1.00	.75	.50	2.00
1 septic tank	1,925.00	2,680.00	3,400.00	2,500.00	3,300.00
	$12,253	$12,748	$13,237	$13,776	$16,595

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Road—Massachusetts

Bids were opened by Department of Public Works, Division of Highways, Boston, (lowest three) Dec. 21, 1926, for constructing highway in Chatham, from (A) Lane Construction Corp., Meriden, Conn. (awarded contract); (B) R. H. Newell Co.; (C) Washburn & Sheridan Construction Co. The unit bids are as follows:

	A	B	C
13,900 cu.yd. roadway earth excavation	$0.50	$0.60	$0.60
50 cu.yd. ledge excavation	.60	2.00	5.00
1,000 cu.yd. borrow	.50	.70	1.25
12 cu.yd. plain concrete masonry	25.00	25.00	25.00
14,200 gals. bituminous material	.20	.18	.20
20 lin.ft. 10 in. pipe vit. clay	1.50	1.50	2.00
150 lin.ft. 12 in. pipe reinf. conc.	2.00	2.50	2.25
1,060 lin.ft. fencing	.55	.60	.75
3 catch basins	.90	100.00	75.00
13,200 tons bituminous concrete surfacing A	5.50	5.85	5.70
1 curb inlet	35.00	30.00	35.00
21 removal trees	10.00	10.00	20.00
4,300 cu.yd. borrow (loam or clay)	.25	.70	1.00
3 leaching basins	70.00	75.00	100.00
1,000 lin.ft. stock fence	.27	.30	.25
91 rem. and reset bounds	4.00	6.00	5.00
32,000 lin.ft. reform. and trimming	.05	.03	.05
2,800 lin.ft. cobble stone edging	.25	.50	.50
1 town post rem. and reset	10.00	10.00	5.00
29 bounds rem. and stacked	4.00	2.50	3.00
7 catch basins raised	10.00	10.00	10.00
500 lin.ft. fences rem. and reset	.20	.20	.25
3,000 cu.yd. scarifying and reshaping	.10	.25	9.10
Totals	$89,463	$98,241	$98,965

Road—Florida

Bids were opened by State Road Department, Tallahassee, Jan. 26, (lowest four and highest) for 15.39 mi. of road between St. Augustine and Pellicer's Creek, St. Johns County, from (A) J. M. Johnson Construction Co., Lutz Realty Bldg., Jacksonville; (B) Morgan-Hill Paving Co., P. O. Box 992, Jacksonville; (C) Whitney Construction Co., St. Augustine; (D) H. E. Wolfe, St. Augustine, (awarded contract); (E) Dean & Yarborough & Ebersbach Construction Co., Tampa. The unit bids are as follows:

	A	B	C	D	E
138 acres clearing and grubbing	$140.00	$125.00	$140.00	$250.00	$300.00
234,680 cu.yd. regular excavation	.41½	.43	.45	.44	.42½
84.7 cu.yd. class "B" concrete	40.00	40.00	26.00	50.00	35.00
35.22 M.F.B.M. treated structure timber	160.00	135.00	133.00	170.00	140.00
1.50 M.F.B.M. untreated struct. timber	150.00	90.00	100.00	100.00	90.00
4,086 lin.ft. treated trestle piling	1.50	1.63	1.20	2.00	1.50
523 lin.ft. 30 in. cast iron pipe	8.75	9.00	8.30	10.50	12.00
728 lin.ft. 24 in. cast iron pipe	6.50	7.50	6.80	8.50	9.00
390 lin.ft. 18 in. cast iron pipe	5.00	5.00	4.60	6.00	6.00
199 lin.ft. 36 in. cast iron pipe	10.50	13.00	14.00	15.00	18.00
Totals	$145,437	$147,804	$150,737	$173,308	$174,048

Road—Delaware

Bids were opened by State Highway Department, Dover, Feb. 2, for widening 3.87 mi. road, Contract No. 77, from (A) George & Lynch, Dover, (awarded contract); (B) Old Line Construction Co., Chestertown, Md.; (C) W. Eisenberg, Camden, N. J. The unit bids are as follows:

	A	B	C
2,025 cu.yd. excavation	$0.85	$0.70	$1.00
2,025 cu.yd. concrete pavement	14.10	14.45	14.58
1,200 lin.ft. transverse exp. jt.	.20	.15	.12
Totals	$30,513	$30,858	$31,694